

June 2012

Based on data date cut-off of
June 29, 2012.



MONTHLY PROGRESS REPORT

HART

HONOLULU AUTHORITY for RAPID TRANSPORTATION

Contents

Table of Figures.....	3
1. EXECUTIVE SUMMARY	4
1.1 Project Highlights and Milestones Achieved.....	4
1.2 HART Board of Directors Scheduled Meetings and Events in June-July	6
2. PROJECT STATUS.....	7
2.1 Budget/Cost.....	7
2.2 Schedule/Progress.....	10
2.3 Contingency Management	12
2.4 Issues and Actions Taken	13
3. CONTRACT STATUS	16
3.1 Procurement Status	16
3.2 Design-Build (DB) Contracts	23
3.3 Design-Build-Operate-Maintain (DBOM) Contract	27
3.4 Design-Bid-Build (DBB) Contracts	29
3.5 Utility Agreements	35
3.6 Permits	37
3.7 Hawaii Department of Transportation (HDOT) Agreements	38
3.8 Other Design Activities	39
3.9 Interface	40
4. GROUP REPORTS.....	41
4.1 Safety and Security.....	41
4.2 Quality Management	43
4.3 Right-of-Way Status and Third Party Agreements.....	45
4.4 Planning and Environment.....	48
4.5 Risk Management.....	50
4.6 Insurance	54
4.7 Community Outreach.....	54
5. STAFFING.....	56
6. APPENDICES	59
Appendix A. Project Organization Chart.....	60
Appendix B. Project Alignment.....	61

Table of Figures

Figure 1. HART Update on the Financial Plan of June 2012	4
Figure 2. Revenue versus Expenditures	7
Figure 3. Sources of Project Funding	8
Figure 4. Planned Funding	8
Figure 5. Cost versus Budget - Summary Status (\$M) – by Standard Cost Code (SCC)	8
Figure 6. Cost versus Budget – Detailed Status (\$M) - by Standard Cost Code (SCC)	9
Figure 7. Overall Project Progress	10
Figure 8. H RTP Summary Master Project Schedule (MPS)	11
Figure 9. Closed PMOC Monthly Report Issues	15
Figure 10. Procurement Tracking Report: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain Contracts	16
Figure 11. Procurement Tracking Report: Design-Bid-Build (DBB) Contracts	17
Figure 12. Procurement Tracking Report: Design-Bid-Build (DBB) Contracts (<i>continued</i>)	18
Figure 13. Procurement Tracking Report: Final Design (FD) Contracts	19
Figure 14. Construction Engineering and Inspection Services (CE&I) Contracts	20
Figure 15. Project Management and Specialty Consultant Services Contracts	21
Figure 16. HDOT Consultant Services and Other Contracts	22
Figure 17. West Oahu/Farrington Highway Guideway (WOFH) Contract	23
Figure 18. Maintenance and Storage Facility (MSF) Contract	25
Figure 19. Kamehameha Highway Guideway (KHG) Contract	26
Figure 20. Core Systems Contract (CSC)	27
Figure 21. Farrington Highway Station Group (FHS) Final Design Contract	29
Figure 22. Airport Utility and Guideway (AGW) Final Design (FD) Contract	32
Figure 23. Utility Agreements Status Matrix (by section)	36
Figure 24. Construction Safety Monitoring - Safety and Security Issues	41
Figure 25. Right-of-Way Status Summary Table	45
Figure 26. H RTP Acquisition-Relocation Agreements Status	46
Figure 27. Risk Matrix	51
Figure 28. Top Ten Project Risks in May 2012	51
Figure 29. Risks Removed from the Top 10 Risk in May 2012	51
Figure 30. New Risks for May 2012	52
Figure 31. Risks Deleted in May 2012	52
Figure 32. Changes to Project Risk Register from April to May 2012	53
Figure 33. Summary of Risks by Contract Package	53
Figure 34. The first column for Honolulu’s elevated rail guideway is completed.	54
Figure 35. Staffing Activities	56
Figure 36. HART Staffing Projection in the current Staffing Plan	57
Figure 37. Project Management Staffing (Actual and Planned)	58

1. EXECUTIVE SUMMARY

1.1 Project Highlights and Milestones Achieved

- 1.1.1 On June 29, 2012, the Honolulu Authority for Rapid Transportation (HART) submitted the City and County of Honolulu's (City's) request to the Federal Transit Administration (FTA) for a Full Funding Grant Agreement (FFGA). The maximum Federal New Starts financial contribution under the FFGA is \$1.55 billion for the Honolulu Rail Transit Project (H RTP). After the FTA completes its review, the FFGA request will be forwarded to the Executive Office of Management and Budget (OMB) for their review. Upon OMB approval, the FTA can begin a 60-day process to inform Congress of its intent to sign the agreement. The multi-year FFGA between the FTA and the City and County of Honolulu (the Grantee) is expected to be in place before the end of 2012.
- 1.1.2 As part of the required supporting documents for an FFGA, HART submitted the "Final Financial Plan for Full Funding Agreement" (June 2012), which updated the September 2011 "Draft Financial Plan for Entry into Final Design." The Financial Plan for FFGA is supported by the Project Management Plan (PMP), Contract Packaging Plan (CPP), Master Project Schedule (MPS) and the Project Budget. The total project cost for purposes of the FFGA is projected to be \$5.122 billion, a decrease from the \$5.126 billion estimate at Entry into Final Design, due in large part to savings in financial costs. There are several significant differences between the September 2011 and June 2012 Financial Plans, including:
- a reduction in the contingency reserve to the FTA-recommended level of 15% of project cost (\$645 million),
 - an increase in projected GET revenue to \$3.29 billion (up from \$3.15 billion, as adjusted to reflect actual collections from the 0.5% GET rail surcharge collected since January 2007 to continue through 2022) and
 - a projected cash balance of \$193 million in FY2023 (up from the previous projection of \$83 million).

The total capital cost of the H RTP is \$5.163 billion, which consists of \$5.122 billion for purposes of the FFGA plus an additional \$42 million in financing costs beyond the FY 2020 FFGA period to Fiscal Year 2023. Figure 1 presents a summary of the major differences between the September 2011 and June 2012 Financial Plans.

Figure 1. HART Update on the Financial Plan of June 2012

HONOLULU RAIL TRANSIT PROJECT					
FINANCIAL PLAN UPDATE					
			September 2011	June 2012	Change
Total Project Cost	↓	.20% decrease	\$5.17 Billion	\$5.16 Billion	-\$10 Million
Applied Contingency	↓	21% decrease	\$815 Million	\$645 Million	-\$170 Million
FTA Formula Funds Used for the Project Section 5307	↓	14% decrease	\$244 Million	\$210 Million	-\$34 Million
Finance Cost	↓	27% decrease	\$295 Million	\$215 Million	-\$80 Million
GET Surcharge Revenue (Q2 FY10 – FY23)	↑	4% increase	\$3.15 Billion	\$3.29 Billion	+\$140 Million
Ending Cash Balance	↑	133% increase	\$83 Million	\$193 Million	+\$110 Million

www.HonoluluTransit.org | (808) 566-2299

HART

- 1.1.3 On June 6, 2012 the Honolulu City Council approved an ordinance for the City's tax-exempt commercial paper facility that increased the total authorized amount from \$350-million to \$450-million. The Mayor signed the bill into law on June 15, 2012. In the Final Design approval letter, FTA required that HART should demonstrate the availability of additional revenue sources that could be tapped should unexpected events such as cost increases or funding shortfalls occur. As part of the FFGA Financial Plan, the tax-exempt commercial paper facility provides for additional financial support in the event of unforeseen events such as cost overruns or under realized GET collections. While the Financial Plan includes use of the commercial paper during construction for short-term cash flow purposes, HART does not intend to use it for any other purposes.
- 1.1.4 Kiewit construction crews continue guideway foundation and column construction, along Farrington Highway between Kualaka'i Parkway (formerly North-South Road) in Kapolei and Old Fort Weaver Road on the first guideway section. Work includes daytime foundation and access work in East Kapolei and utility work along the Old Fort Weaver Road loop and evening utility work between Kahuali'i and Ala Ike Streets and soil sampling between Fort Weaver Road and Leoku Street. The latest [Kiewit Field Work Traffic Update](#) for the WOFH section was posted on the HART website for the Week of July 1.
- 1.1.5 HART informed motorists, residents and area businesses in the Airport Guideway section that Archaeological Inventory Surveys (AIS) work is being conducted from Aloha Stadium near Halawa Stream to the Middle Street Transit Center Station area near Kalihi Stream. As part of HART's community notification efforts, affected and nearby streets situated along the alignment in the Airport Guideway section have been canvassed. Area businesses, residents or community associations can request a canvassing meeting with a HART representative or receive additional Traffic Notice materials by calling the 24-hour project hotline, emailing info@honolulutransit.org or reading the weekly traffic updates on www.honolulutransit.org. A Notice to Motorists will be published in the *Honolulu Star-Advertiser* on July 2. The latest [Airport Guideway AIS Field Work Traffic Update](#) and traffic update brochure for the Airport section were posted on the HART website for the Week of July 1.

1.2 HART Board of Directors Scheduled Meetings and Events in June-July

HART Joint Finance and Project Oversight Committee Meeting

Thursday, June 7, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Human Resources Committee Meeting

Thursday, June 28, 9:00 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

HART Finance Committee Meeting

Thursday, June 28, 9:30 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

HART Board of Directors Meeting

Thursday, June 28, 10:30 a.m., Kapolei Hale, Conference Room B, 1000 Uluohia St.

Open to the Public.

HART Finance Committee Meeting

Thursday, July 5, 8:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Project Oversight Committee Meeting

Thursday, July 5, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Transit-Oriented Development (TOD) Committee Meeting

Thursday, July 19, 8:00 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

HART Board of Directors Meeting

Thursday, July 19, 9:30 a.m., Mission Memorial Annex Conference Room, 550 S. King St.

Open to the Public.

2. PROJECT STATUS

2.1 Budget/Cost

- 2.1.1 The April 2011 baseline Project Budget for entry into Preliminary Engineering (PE) was \$5.213 billion. The Project Budget for Entry into Final Design September 2011 was updated to \$5.126 billion. The HRT's Project Budget for FFGA is \$5.123 billion. The baseline Project Budget amounts reported herein relate to the FTA New Starts project and exclude financing costs that will be incurred beyond the FFGA completion date.
- 2.1.2 As of May 25, \$428.7 million, or 10.0%, of the Project Budget has been incurred (actual expenditures plus approved requests for payments). *[Based on the incurred costs divided by \$4.847 billion (\$5.123 billion Total Project Budget less \$643.6 million in contingencies and \$173.1 million estimated financing costs.)]*
- 2.1.3 The Project's Total Budget Contingency is currently \$643.6 million, of which \$541.7 million is Allocated Contingency and \$101.9 million is Unallocated Contingency.
- 2.1.4 Funding to Date

Figure 2 below shows that as of the May 25 cost data date, total revenue from the county GET Surcharge in effect date since January 2007 is approximately \$858.7 million. The September 2011 Financial Plan projected GET surcharge revenue from entry into PE in FY 2010 to FY 2012 to be \$473 million. The actual GET surcharge revenue for that period is \$480 million. Funding remains ahead of current incurred costs.

Figure 2. Revenue versus Expenditures

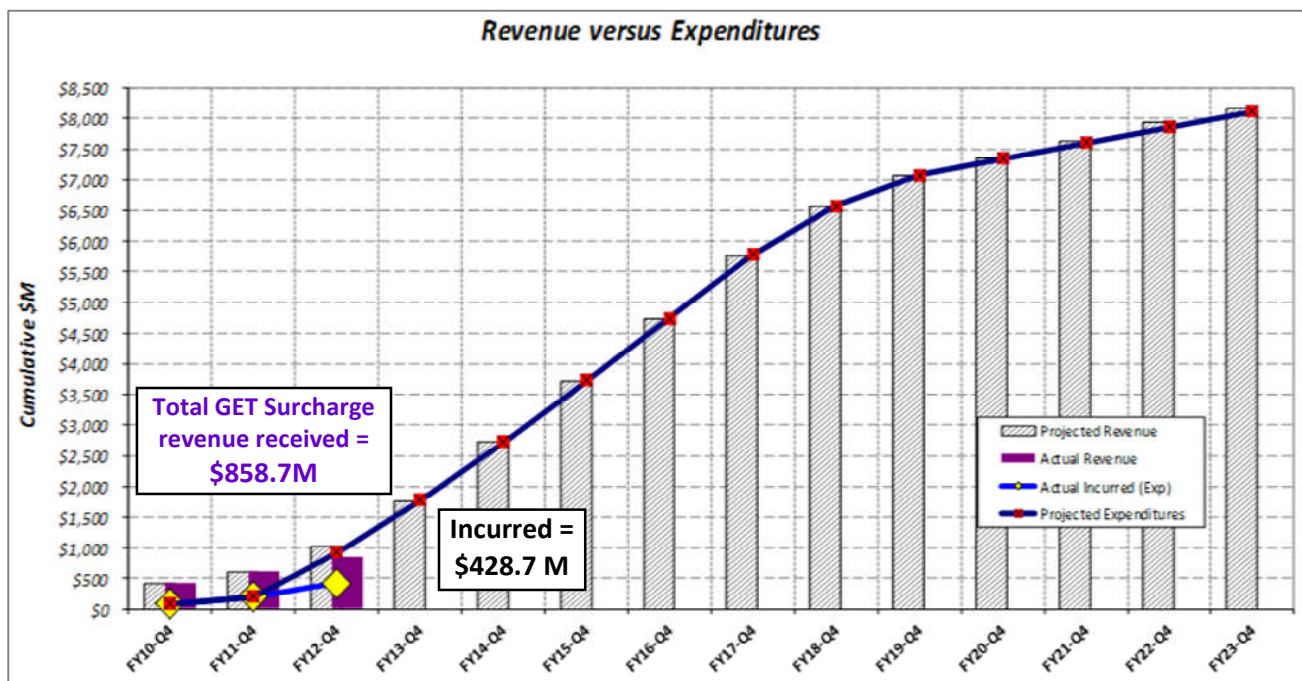


Figure 3. Sources of Project Funding

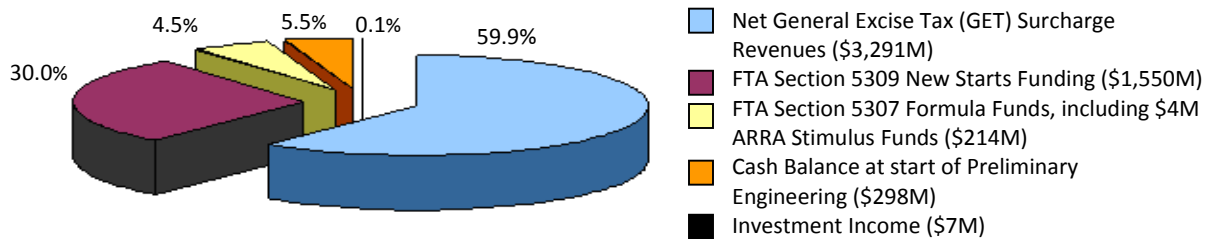


Figure 4. Planned Funding

Fund	Planned ^{*1} (\$M)	Received to Date (\$M)
Net General Excise Tax (GET)	3,291	^{*2} 480
FTA Section 5309 New Starts	1,550	62
FTA Section 5307 Formula Funds, including ARRA	214	4
Cash Balance - Beginning balance at start of PE ^{*3}	298	^{*3} 298
Investment Income, Other Income	3	1
Totals	\$ 5,383	\$ 845

^{*1} Per the June 20, 2012 Financial Plan, Project Capital Costs is planned at \$4.847M, exclusive of financing.

^{*2} The total GET surcharge collected since inception is \$858.7 M. However, the GET accounting that is applicable for this report is based only on the start of the Preliminary Engineering Phase, which amounts to \$480 M.

^{*3} Beginning Cash Balance consisted of GET surcharge revenues, investment income, miscellaneous income less pre-PE expenditures.

2.1.5 Cost versus Baseline Budget

Figure 5. Cost versus Budget - Summary Status (\$M) – by Standard Cost Code (SCC)

COST versus BUDGET - SUMMARY STATUS (\$M) - By STANDARD COST CODE (SCC)									
Report Date: June 2012 Data Date: May 25, 2012									
SCC	Category	Current Budget (As submitted to the FTA for the FFGA)			Commitments		Incurred (Expenditures + Approved for Payment)		Estimate at Completion (EAC)
		Budget Revision 3 (Mar 30 '12)	Transfers/Changes	June '12	To Date	May '12	To Date	May '12	Current Forecast
10	Guideway & Track (20 mi)	1,275.33	-0-	1,275.33	525.24	0.00	0.10	0.10	1,275.33
20	Stns, Stops, Terminals (21)	506.17	-0-	506.17	0.00	0.00	0.00	0.00	506.17
30	Support Facilities: Yds, Shops, Adm	99.43	-0-	92.54	80.84	0.00	2.73	0.00	92.54
40	Sitework & Special Conditions	1,103.87	-0-	983.18	468.78	0.00	158.60	3.17	983.18
50	Systems	247.46	-0-	221.28	205.66	0.00	0.00	0.00	221.28
10-50	Construction Subtotal	3,232.25	-0-	3,232.25	1,280.53	0.00	161.43	3.26	3,232.25
60	Real Estate	222.19	-0-	222.19	29.96	0.13	26.96	0.13	222.19
70	Vehicles	208.50	-0-	208.50	198.92	0.00	0.00	0.00	208.50
80	Professional Services	1,183.83	-0-	1,183.83	550.39	1.25	240.29	11.20	1,183.83
90	Unallocated Contingency	101.87	-0-	101.87	0.00	0.00	0.00	0.00	101.87
100.01	Finance Charges: Project-eligible	173.06	-0-	173.06	0.00	0.00	0.00	0.00	173.06
FTA TOTAL PROJECT		5,121.69	-0-	5,121.69	2,059.80	1.38	428.69	14.59	5,121.69

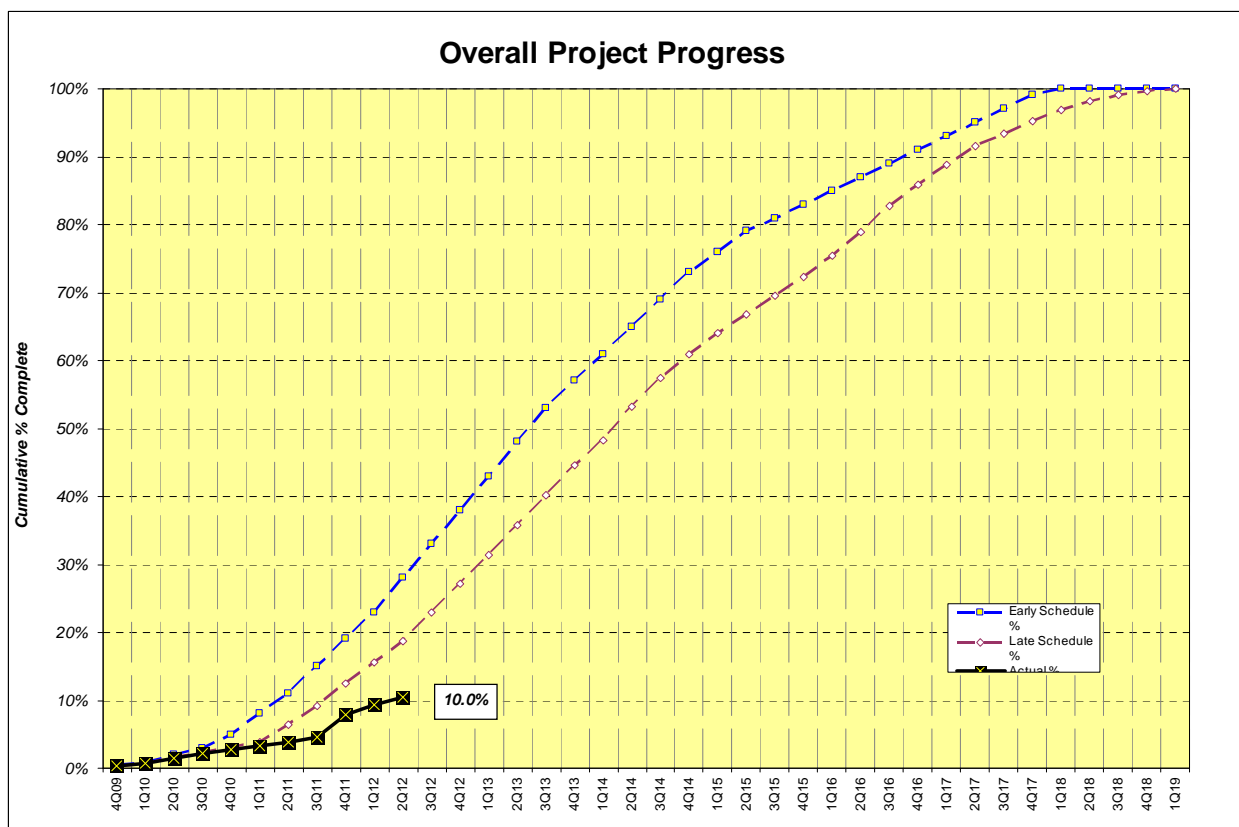
Figure 6. Cost versus Budget - Detailed Status (\$M) – by Standard Cost Code (SCC)

COST versus BUDGET - DETAILED STATUS (\$M) - By STANDARD COST CODE (SCC)										Report Date: June 2012
										Date Date: May 25, 2012
SCC	Category	Current Budget			Commitments		Incurred (Expenditures + Approved for Payment)		Estimate at Completion (EAC)	
		Baseline Budget	Transfers/ Changes	June '12	To Date	May '12	To Date	May '12	Current Forecast	Change from Last Month
10	Guideway & Track (20 mi)	1,275.33	-0-	1,275.33	525.24	0.00	0.10	0.10	1,275.33	-0-
10.04	Guideway: Aerial	1,175.33	-0-	1,175.33	434.10	0.00	0.10	0.10	1,175.33	-0-
10.08	Guideway: Retained Cut or Fill	8.08	-0-	8.08	6.44	0.00	0.00	0.00	8.08	-0-
10.09	Track: Direct Fixation	86.33	-0-	86.33	80.51	0.00	0.00	0.00	86.33	-0-
10.11	Track: Ballasted	3.55	-0-	3.55	2.70	0.00	0.00	0.00	3.55	-0-
10.12	Track: Special	2.04	-0-	2.04	1.50	0.00	0.00	0.00	2.04	-0-
20	Stns, Stops, Terminals (21)	506.17	-0-	506.17	0.00	0.00	0.00	0.00	506.17	-0-
20.01	At-grade Stn, platform, etc	7.33	-0-	7.33	0.00	0.00	0.00	0.00	7.33	-0-
20.02	Aerial Stn, platform, etc.	353.48	-0-	353.48	0.00	0.00	0.00	0.00	353.48	-0-
20.06	Auto parking structure	79.69	-0-	79.69	0.00	0.00	0.00	0.00	79.69	-0-
20.07	Elevators, escalators	65.67	-0-	65.67	0.00	0.00	0.00	0.00	65.67	-0-
30	Support Facilities: Yds, Shops, Adm	99.43	-0-	99.43	80.84	0.00	2.73	0.00	99.43	-0-
30.02	Light Mtce Facility	8.16	-0-	8.16	7.59	0.00	0.00	0.00	8.16	-0-
30.03	Heavy Mtce Facility	40.91	-0-	40.91	22.36	0.00	2.66	0.00	40.91	-0-
30.04	Storage or Mtce-of-Way Bldg	8.38	-0-	8.38	7.74	0.00	0.07	0.00	8.38	-0-
30.05	Yard & Yard Track	41.98	-0-	41.98	43.16	0.00	0.00	0.00	41.98	-0-
40	Sitework & Special Conditions	1,103.87	-0-	1,103.87	468.78	0.00	158.60	3.17	1,103.87	-0-
40.01	Demolition, Clearing, Earthwk	34.70	-0-	34.70	7.90	0.00	0.00	0.00	34.70	-0-
40.02	Site Utilities, Utility Reloc	350.69	-0-	350.69	82.43	0.00	4.40	0.01	350.69	-0-
40.03	Haz Mat'l, Contam soil remove	7.23	-0-	7.23	0.00	0.00	0.00	0.00	7.23	-0-
40.04	Environmental Mitigation	30.84	-0-	30.84	16.54	0.00	2.54	0.28	30.84	-0-
40.05	Site structures, retain walls	8.64	-0-	8.64	8.90	0.00	0.00	0.00	8.64	-0-
40.06	Ped/bike access, landscape	48.26	-0-	48.26	5.00	0.00	0.00	0.00	48.26	-0-
40.07	Auto, bus, van accessways	212.54	-0-	212.54	34.77	0.00	0.43	0.00	212.54	-0-
40.08	Temporary Facil, Indirect Cost	410.97	-0-	410.97	313.24	0.00	151.24	2.87	410.97	-0-
50	Systems	247.46	-0-	247.46	205.66	0.00	0.00	0.00	247.46	-0-
50.01	Train control & signals	91.49	-0-	91.49	82.68	0.00	0.00	0.00	91.49	-0-
50.02	Traffic signals & crossing prot	12.52	-0-	12.52	0.00	0.00	0.00	0.00	12.52	-0-
50.03	Traction power supply: substn	32.87	-0-	32.87	30.98	0.00	0.00	0.00	32.87	-0-
50.04	Traction power distrib: cate	36.43	-0-	36.43	25.08	0.00	0.00	0.00	36.43	-0-
50.05	Communications	59.89	-0-	59.89	54.25	0.00	0.00	0.00	59.89	-0-
50.06	Fare collection sys & equip	10.22	-0-	10.22	9.22	0.00	0.00	0.00	10.22	-0-
50.07	Central Control	4.03	-0-	4.03	3.45	0.00	0.00	0.00	4.03	-0-
10-50	Construction Subtotal	3,232.25	-0-	3,232.25	1,280.53	0.00	161.43	3.26	3,232.25	-0-
60	Real Estate	222.19	-0-	222.19	29.96	0.13	26.96	0.13	222.19	-0-
60.01	Purch or lease of R/E	201.66	-0-	201.66	25.58	0.03	25.58	5.38	201.66	-0-
60.02	Relocation of existing H/H	20.53	-0-	20.53	4.39	0.11	1.39	(5.25)	20.53	-0-
70	Vehicles	208.50	-0-	208.50	198.92	0.00	0.00	0.00	208.50	-0-
70.01	Light Rail	186.06	-0-	186.06	180.34	0.00	0.00	0.00	186.06	-0-
70.06	Non-revenue vehicles	16.01	-0-	16.01	13.03	0.00	0.00	0.00	16.01	-0-
70.07	Spare parts	6.43	-0-	6.43	5.55	0.00	0.00	0.00	6.43	-0-
80	Professional Services	1,183.83	-0-	1,183.83	550.39	1.25	240.29	11.20	1,183.83	-0-
80.01	Prelim Engineering	95.12	-0-	95.12	108.07	0.00	86.78	1.42	95.12	-0-
80.02	Final Design	257.93	-0-	257.93	84.13	0.00	7.44	2.13	257.93	-0-
80.03	Project Mgmt - Design & Construction	385.83	-0-	385.83	259.94	0.00	128.84	5.55	385.83	-0-
80.04	Construction Admin & Mgmt	218.16	-0-	218.16	34.52	0.00	12.56	1.79	218.16	-0-
80.05	Prof Liability & non-Construct Insur	52.14	-0-	52.14	1.31	1.25	0.08	0.02	52.14	-0-
80.06	Legal; Permits; Review Fees	76.14	-0-	76.14	5.12	0.00	3.48	0.00	76.14	-0-
80.07	Surveys; Testing; Investig; Inspect	24.96	-0-	24.96	9.34	0.00	1.13	0.28	24.96	-0-
80.08	Start-Up	73.56	-0-	73.56	47.97	0.00	0.00	0.00	73.56	-0-
90	Unallocated Contingency	101.87	-0-	834.90	0.00	0.00	0.00	0.00	101.87	-0-
100.01	Finance Charges: Project-eligible	173.06	-0-	173.06	0.00	0.00	0.00	0.00	173.06	-0-
FTA TOTAL PROJECT		5,121.69	-0-	5,121.69	2,059.80	1.38	428.69	14.59	5,121.69	-0-

2.2 Schedule/Progress

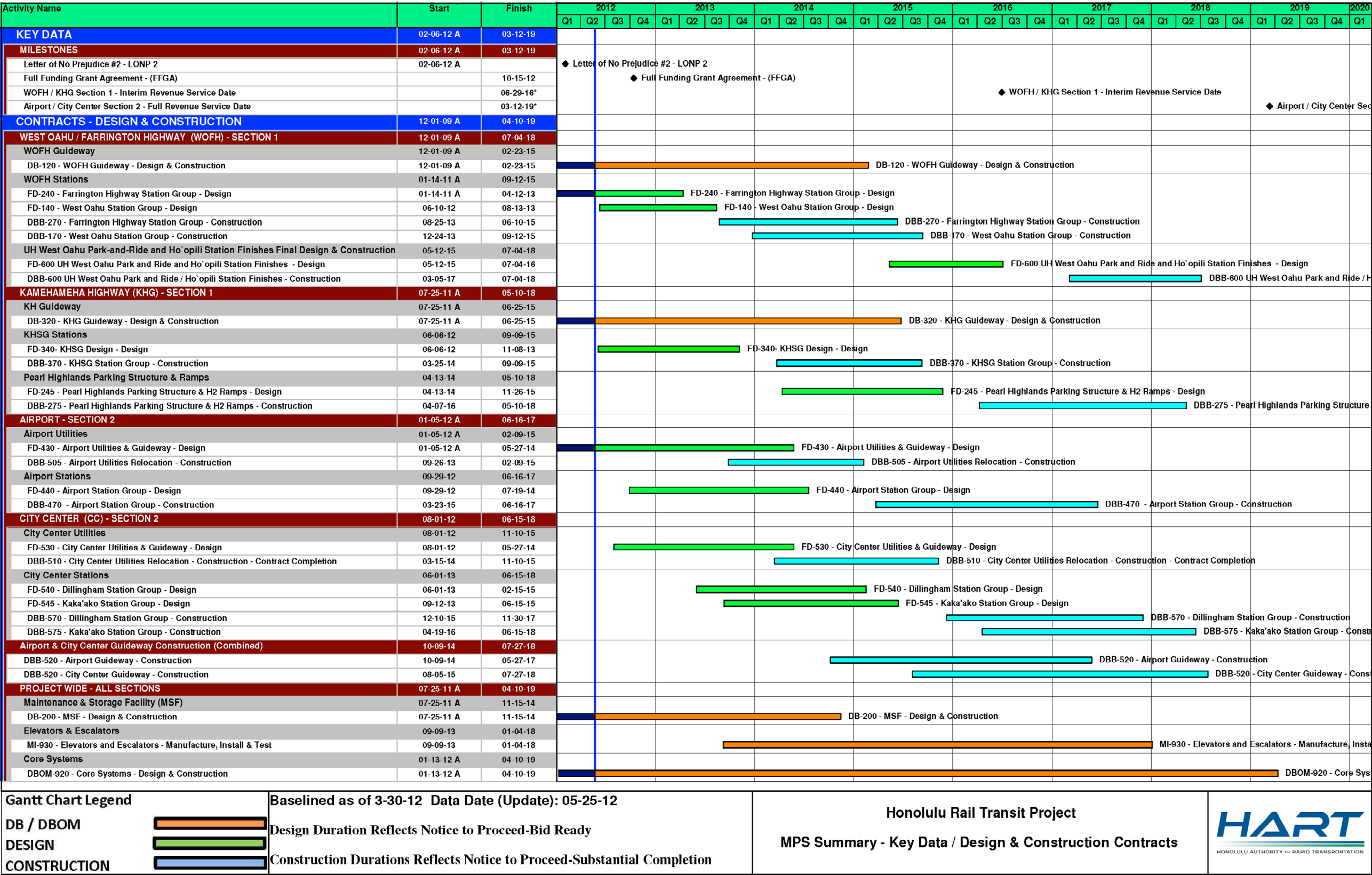
- 2.2.1 As of the end of May, the forecast for Full Revenue Service (RSD) is March 2019, a full 10 months ahead of the FTA's targeted January 31, 2020 completion date. This RSD is the milestone date reflected in the Master Project Schedule (MPS), Revision 4, dated March 30, 2012, and is consistent with all revised submittals for the FFGA.
- 2.2.2 Figure 7 below plots the actual progress to date against the previous early start/early finish dates. The overall project progress to date, based on completion of cost-loaded milestones versus the new Project Budget, is 10.0%. This is behind the original early plan of 28% and late plan of 18% due to delays to Final Design (FD) authorizations and the protracted settlement of the Core Systems contract protests. With the re-baselining of all the key scope, schedule and budget for the project, the July Monthly Progress Report will reflect the revised projected progress curve and performance against that baseline.

Figure 7. Overall Project Progress



- 2.2.3 See Figure 8. H RTP Summary Master Project Schedule (MPS), updated as of May 25, 2012 on the next page. This update is statused against the re-baselined MPS, Revision 4, dated March 30, 2012, as submitted to the FTA for the FFGA.

Figure 8. H RTP Summary Master Project Schedule (MPS)



2.3 Contingency Management

- 2.3.1 As part of the FFGA submittal process, the Risk and Contingency Management Plan (RCMP) has been revised in conjunction with the re-baselining of the Contract Packaging Plan, Master Project Schedule, Project Budget and the Financial Plan. Included in the revised RCMP, the Cost and Schedule Contingency Drawdown curves have been adjusted and submitted for review by the FTA and the PMOC. These curves establish minimum and buffer zone levels of cost and schedule contingency in accordance with FTA recommendations. Over the course of the project, if the cost or schedule contingency trends into the buffer zone (the area 10% above the minimum contingency), Project Management will immediately implement actions to maintain an appropriate level contingency at that stage of the project. Once the proposed RCMP has been reviewed and found to be acceptable by the FTA, the baseline drawdown curves will be included in this report with the actual and forecast utilization of the cost and schedule contingencies.
- 2.3.2 In re-baselining the Project Budget, HART generated a bottoms-up estimate for each work package identified in the Contract Packaging Plan (CPP) based on the appropriate design and current pricing for material, equipment, construction labor, professional services, real estate and all other cost elements. These packages were then evaluated with respect to the risks involved and contingencies allocated in accordance with FTA guidelines and current risk modeling methodologies, as well as determinations of pending or changes currently being negotiated with contractors or potential cost impacts. The result was a variance of \$170 million in the total amount of contingency from the previous budget; the total contingency is still within the FTA recommendations for a project requesting an FFGA.
- 2.3.3 Each month the PMOC will participate in a breakout session with HART staff to review a list of changes being considered on a contract-specific basis. These items will be classified as “pending” or “potential.” Pending changes are already in the change order process and have been quantified to the extent that a rough, order-of-magnitude (ROM) estimate has been developed, as well as a time-impact evaluation (TIE) has been conducted as appropriate. Negotiations for these pending changes will more-than-likely be underway and reasonable dollar/time estimates will be reconciled relative to the available Allocated Contingency. Potential changes will be discussed in more general terms with ranges of cost and/or schedule impact assessments. HART staff will provide some insights as to the strategy being formulated to avoid or mitigate these potential changes, as well as when these changes may take place. Discussions at the breakout session will also focus on opportunities for reducing costs and the potential for accelerating the contract scheduled activities or attain key milestones earlier than targeted. The session will conclude with an overview of the Cost and Schedule Drawdown Curves if and when the changes or opportunities are realized in order to assess the project performance against the Total Project Contingencies and Buffer Float.

Issues and Actions Taken

The Project Management Oversight Contractor (PMOC) identified the following key “Issues or Concerns” in its latest (April 2012) Monthly Report to the FTA. HART actions to address each issue are described below. Issues closed by the PMOC are listed in Figure 9 on page 15.

- **Design-Build Project Cost Forecasting**

- **Issue:** “The PMOC has concerns with the adequacy of the grantee's ability to forecast costs for the existing Design-Build (DB) contracts. The grantee’s current Estimate at Completion (EAC) does not accurately provide an assessment of the contract costs. The PMOC provided some recommendations in February 2012, and a detailed workshop was held on March 6, 2012 to review the grantee’s process for developing the EAC. HART provided improved EAC assessment of the contract costs to the PMOC. The PMOC emphasizes that it is critical that this issue be quickly corrected to demonstrate that the grantee has the Technical Capacity and Capability going forward.”
- **Action:** HART has provided additional details with regard to forecast cost projections without putting HART at risk of weakening their negotiating position with the contractors by divulging information or strategies that must remain confidential. Also, HART has implemented monthly “workshops” with the PMOC to address pending and potential changes by contract that could affect the total contingency reserve. This process has been incorporated into the most recent draft submittal of the Risk and Contingency Management (RCMP).

- **MSF Long-Lead Materials Procurement**

- **Issue:** “HART issued NTP 2 [*Notice to Proceed 2*] on January 10, 2012 (prior to LONP #2) [*Letter of No Prejudice #2*] for the Maintenance and Storage (MSF) DB Contract.....FTA responded on February 16, 2012 indicating that it concurred that the items identified can be considered as long-lead items under Final Design pre-award authority.....The FTA noted that it is critical that HART manage the procurement of these items to ensure any costs incurred will remain eligible for federal funding if an FFGA is awarded for the project, and that HART coordinate with the PMOC closely to ensure that only approved items are procured under this pre-award authority. This coordination will also ensure procurement of only those quantities of the long-lead items that are necessary to reduce schedule impacts to the project.”
- **Action:** On April 2, 2012 HART issued Notice to Proceed #2 (Revision 1) to the MSF Design-Build contractor, increasing the maximum reimbursable amount under NTP #2 by \$12,749,013 (from \$66,261,187 to \$79,010,200). NTP #2 (Revision 1) Schedule “A” sets out the additional authorized value for each Activity in the MSF contract Work Breakdown Structure. On April 19, the HART Board of Directors authorized HART to issue a change order to increase the total amount of the MSF contract by \$15,910,959 for increased cost to procure rail materials, per the contract Scope of Work. On May 10, the contractor submitted an updated Request for Change (RFC) to address rail material price escalation and delivery date adjustments.

As of the end of June, the change order is in negotiation and the contractor's rail procurement work continues under the current contract provisions and NTP #2 (Revision 1).

- **License Agreement with the Department of Hawaiian Home Lands (DHHL)**

- **Issue:** "The grantee must execute a license agreement with the Department of Hawaiian Homelands (DHHL) to construct the MSF on the Navy Drum Site. The PMOC has recommended that the License Agreement be provided to the FTA and PMOC for review prior to execution. A Request for Right of Entry (ROE) for construction was approved by the DHHL Board. The ROE allows access to Navy Drum Site for construction until the property acquisition occurs or the License Agreement is finalized."
- **Action:** License agreement discussions with DHHL continue as the final agreement documentation goes through legal review. There does not appear to be any issue that will impact the construction schedule for MSF.

- **State Safety Oversight Agency (SOA) Consultant**

- **Issue:** "An interim HDOT State Oversight Agency (SOA) Project Manager has been working part-time since April 2011. HDOT anticipates hiring a full-time SOA Project Manager by summer 2012. FTA had identified filling of this position by February 2012 in the Final Design approval letter. Given the status of this Project, it is critical that the permanent SOA Project Manager be identified as soon as possible."
- **Action:** In June, HDOT published a new SOA Project Manager Position announcement; the position is projected to be filled by 4Q2012. The SOA Support Consultant contract negotiations are underway with the selected candidate; the contract is expected to be executed by September 2012.

- **WOFH Precast Yard**

- **Issue:** "WOFH DB Contractor intends to utilize another facility in lieu of GPRM Prestress for pre-casting and prestressing of the concrete guideway segments. The alternative site is an approximately 29-acre property within West Kalaeloa Business Park (100-acre site), which is within the larger Campbell Industrial Park. The GPRM Prestress site, which was identified in the ROD [*Record of Decision*], has subsequently been eliminated from consideration. The contractor is negotiating with the owner of the West Kalaeloa Business Park to obtain use of the property. The pre-cast yard issue must be resolved soon to preserve the anticipated start date of June 2012 for pre-casting and prestressing of concrete guideway segments."
- **Action:** On March 8, 2012, HART submitted to FTA environmental review documentation for the precast facility proposed at the West Kalaeloa Business Park. FTA responded with an approval of the environmental review documentation on March 20, 2012. FTA also issued a second Letter of No Prejudice on May 17, 2012 to authorize the precast yard. At the June 13 PMOC meeting, HART presented updates on the status of the precast yard, including the following:

- With the FTA's approval of the Letter of No Prejudice - 2a (LONP-2a), HART is proceeding with the actions necessary to establish the precast yard and start operations as planned.
- Permitting will take three months, most significantly with the City Department of Planning and Permitting (DPP). The State of Hawaii Department of Health (HDOH) has already issued the key National Pollutant Discharge Elimination System (NPDES) permit.
- Set-up will take the remainder of 2012, including 60,000 yards of grading and construction of a deceleration lane on the access road, Kaleoloa Boulevard.
- Operations are planned to start in January 2013.

Figure 9. Closed PMOC Monthly Report Issues

Closed Issues	
Description	Month Closed
Master Project Schedule (MPS) Critical Path	July 2011
Utilization of Letters of No Prejudice (LONPs)	February 2012
Program Management Support Consultant (PMSC) contract re-procured and NTP issued to InfraConsult LLC.	February 2012
Real Estate Consultant contract procured and NTP issued to Paragon Partners Ltd.	March 2012

3. CONTRACT STATUS

3.1 Procurement Status

Figure 10. Procurement Tracking Report: Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Maintain Contracts

Procurement Tracking Report																	
Design-Build (DB), Design-Build-Operate-Maintain (DBOM) and Manufacture-Install-Test-Maintain Contracts																	
Contract #	Contract Name	Sched Rel ^a	Part 1			Part 2			Issue NTP 1	Issue NTP 1A	Issue NTP 1B	Issue NTP 1C	Issue NTP 2	Issue NTP 3	Issue NTP 4	Contract Completion	Comments
			Issue RFQ	SOQs Due	Select BQO	Issue RFP	Submit Proposals	Execute Contract									
Design-Build Contracts																	
DB-120	West Oahu/Farrington Highway Guideway (WOFH) <i>[Kiewit Infrastructure West Company (KIWC)]</i>	CF	<i>Feb 04 '09</i>	<i>Mar 13 '09</i>	<i>Mar 21 '09</i>	<i>Apr 03 '09</i>	<i>Aug 28 '09</i>	<i>Nov 11 '09</i>	<i>Dec 01 '09</i>	<i>Mar 11 '10</i>	<i>Mar 23 '10</i>	<i>Jun 04 '10</i>	<i>Mar 03 '11</i>	<i>May 24 '11</i>	<i>Feb 06 '12</i>	<i>Jan 31 '15</i>	<i>NTP1</i> : Pre-PE, <i>NTP1A</i> : Geotech (03/11/10); <i>NTP1B</i> : Interim Design/Prelim Engrg (03/23/10); <i>NTP1C</i> : Test Shafts (06/04/10); <i>NTP2</i> : Utilities; <i>NTP3</i> : Final Design, <i>NTP4A</i> : Construction w/o Casting Y'd (02/06/12) <i>Substan'ly Compl'n = November 2014</i>
		Act	<i>Feb 04 '09</i>	<i>Mar 13 '09</i>	<i>Mar 21 '09</i>	<i>Apr 03 '09</i>	<i>Aug 28 '09</i>	<i>Nov 01 '09</i>	<i>Dec 01 '09</i>	<i>Mar 11 '10</i>	<i>Mar 23 '10</i>	<i>Jun 04 '10</i>	<i>Dec 08 '10</i>	<i>Mar 15 '11</i>	<i>Feb 06 '12</i>	<i>Jan 31 '15</i>	
		BL Var	-0-	-0-	-0-	-0-	-0-	(10)	-0-	-0-	-0-	-0-	(85)	(70)	-0-	-0-	
DB-200	Maintenance and Storage Facility (MSF) <i>[Kiewit/Kobayashi Joint Venture (KKJV)]</i>	CF	<i>May 29 '09</i>	<i>Jul 02 '09</i>	<i>Jul 17 '09</i>	<i>Jul 24 '09</i>	<i>Feb 17 '10</i>	<i>Jun 30 '11</i>	<i>Jul 25 '11</i>	-----	-----	-----	<i>Jan 10 '12</i>	<i>Feb 07 '12</i>	-----	<i>Jan 05 '15</i>	<i>NTP1</i> : Prelim Engrg; <i>NTP2</i> : Final Design; <i>NTP3</i> : Construction <i>Substan'ly Compl'n = November 2014</i>
		Act	<i>May 29 '09</i>	<i>Jul 02 '09</i>	<i>Jul 17 '09</i>	<i>Jul 24 '09</i>	<i>Feb 17 '10</i>	<i>Jun 30 '11</i>	<i>Jul 25 '11</i>	-----	-----	-----	<i>Jan 10 '12</i>	<i>Feb 07 '12</i>	-----	<i>Jan 05 '15</i>	
		BL Var	-0-	-0-	-0-	-0-	-0-	-0-	(142)	-----	-----	-----	Sep 03 '11	<i>Feb 07 '12</i>	-----	-0-	
DB-320	Kamehameha Guideway (KHG) <i>[Kiewit Infrastructure West Company (KIWC)]</i>	CF	<i>Nov 18 '09</i>	<i>Jan 05 '10</i>	<i>Feb 15 '10</i>	<i>Mar 19 '10</i>	<i>Oct 07 '10</i>	<i>Jun 30 '11</i>	<i>Jul 12 '11</i>	-----	-----	-----	<i>Jan 16 '12</i>	<i>Feb 07 '12</i>	-----	<i>Jul 01 '15</i>	<i>NTP1</i> : Prelim Engrg; <i>NTP2</i> : Final Design; <i>NTP3A</i> : Construction (02/07/12) <i>Substan'ly Compl'n = June 2015</i>
		Act	<i>Nov 18 '09</i>	<i>Jan 05 '10</i>	<i>Feb 15 '10</i>	<i>Mar 19 '10</i>	<i>Oct 07 '10</i>	<i>Jun 30 '11</i>	<i>Jul 12 '11</i>	-----	-----	-----	<i>Jan 16 '12</i>	<i>Feb 07 '12</i>	-----	<i>Jul 01 '15</i>	
		BL Var	-0-	-0-	-0-	-0-	-0-	-0-	(72)	(80)	-----	-----	-----	Sep 03 '11	<i>Feb 07 '12</i>	-----	
Design-Bid-Operate-Maintain Contract																	
DBOM-920	Core Systems Contract <i>[Ansaldo Honolulu JV]</i>	CF	<i>Apr 09 '09</i>	<i>Jun 05 '09</i>	<i>Jul 15 '09</i>	<i>Aug 17 '09</i>	<i>Jun 07 '10</i>	<i>Nov 28 '11</i>	<i>Jan 13 '12</i>	-----	-----	-----	<i>Jul 15 '12</i>	<i>Apr 15 '13</i>	-----	<i>Apr 01 '19</i>	Ready for Integrated Testing: E.Kap to Aloha Stadium Op Seg, September 2015 E.Kap to Middle Street Op Seg, January 2017 E.Kap to Ala Moana Op Seg, June 2018
		Act	<i>Apr 09 '09</i>	<i>Jun 05 '09</i>	<i>Jul 15 '09</i>	<i>Aug 17 '09</i>	<i>Jun 07 '10</i>	<i>Nov 28 '11</i>	<i>Jan 13 '12</i>	-----	-----	-----	<i>Jul 15 '12</i>	<i>Apr 15 '13</i>	-----	<i>Apr 01 '19</i>	
		BL Var	-0-	-0-	-0-	-0-	-0-	(275)	(316)	-0-	-0-	-0-	(44)	-0-	-----	-0-	
Manufacture-Install-Test-Maintain																	
MI-930	Elevators and Escalators	CF	<i>Sep 15 '12</i>	<i>Oct 30 '12</i>	<i>Dec 15 '12</i>	<i>Jan 15 '13</i>	<i>Mar 15 '13</i>	<i>Jun 15 '13</i>	<i>Jul 15 '13</i>	-----	-----	-----	<i>Jan 15 '15</i>	<i>Mar 15 '16</i>	-----	<i>Nov 09 '17</i>	Installation of first elevator is planned to occur August 2014 at Waipahu Station. Last elevator to be installed July 2017 at Ala Moana Ctr. <i>NTP1</i> : WOFH and KHG (9 Stations); <i>NTP2</i> : Airport (4 Stations); <i>NTP3</i> CC (8-Stations)
		Act	<i>Sep 15 '12</i>	<i>Oct 30 '12</i>	<i>Dec 15 '12</i>	<i>Jan 15 '13</i>	<i>Mar 15 '13</i>	<i>Jun 15 '13</i>	<i>Jul 15 '13</i>	-----	-----	-----	<i>Jan 15 '15</i>	<i>Mar 15 '16</i>	-----	<i>Nov 09 '17</i>	
		BL Var	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-----	-0-	

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast
 ACT = ACTUAL Completed Achieved this Month
 B/L = Baseline Master Project Schedule
 [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
 Var = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
 +Ahead(Behind)-0- versus the B/L Master Project Schedule

Notes:

WOFH: NTP4A: Construction w/o Casting Yard 02/06/2012
 KHG: NTP3A: Construction 02/07/2012

Figure 11. Procurement Tracking Report: Design-Bid-Build (DBB) Contracts

Procurement Tracking Report Design-Bid-Build (DBB) Contracts									
Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
Design-Bid-Build Contracts									
DBB-170	West Oahu Station Group Construction	CF Act B/L Var	Aug 11 '13 Aug 11 '13 -0-	Sep 10 '13 Sep 10 '13 -0-	Oct 25 '13 Oct 25 '13 -0-	Dec 08 '13 Dec 08 '13 -0-	Dec 22 '13 Dec 22 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	Substantial Completion: Ho'opili Station May 15 '15 UH West Oahu Station Jul 15 '15 E. Kapolei Station Sep 15 '15
DBB-270	Farrington Highway Station Group Construction	CF Act B/L Var	Feb 15 '13 Feb 15 '13 -0-	Mar 17 '13 Mar 17 '13 -0-	May 01 '13 May 01 '13 -0-	Jun 14 '13 Jun 14 '13 -0-	Jun 29 '13 Jun 29 '13 -0-	May 30 '15 May 30 '15 -0-	Substantial Completion: Leeward Comm College Sta Nov 15 '14 Waipahu Transit Sta Feb 15 '15 W. Loch Station Apr 15 '15
DBB-275	Pearl Highlands Parking Structure/ Bus Transit Center Construction (Includes H2/R1 Ramp)	CF Act B/L Var	Oct 01 '15 Oct 01 '15 -0-	Oct 30 '15 Oct 30 '15 -0-	Dec 14 '15 Dec 14 '15 -0-	Jan 28 '16 Jan 28 '16 -0-	Feb 11 '16 Feb 11 '16 -0-	Apr 29 '18 Apr 29 '18 -0-	Substantial Completion: Mar 15 '18
DBB-370	Kamehameha Highway Station Group Construction (Includes H2/R2 Ramp)	CF Act B/L Var	Nov 15 '13 Nov 15 '13 -0-	Dec 16 '13 Dec 16 '13 -0-	Jan 30 '14 Jan 30 '14 -0-	Mar 17 '14 Mar 17 '14 -0-	Mar 31 '14 Mar 31 '14 -0-	Aug 29 '15 Aug 29 '15 -0-	Substantial Completion: Pearl Highlands Station Sep 15 '15 Aloha Stadium Station May 15 '15 Pearlridge Station Jul 15 '15
DBB-470	Airport Station Group Construction	CF Act B/L Var	Aug 15 '14 Aug 15 '14 -0-	Jan 05 '15 Jan 05 '15 -0-	Feb 19 '15 Feb 19 '15 -0-	Apr 05 '15 Apr 05 '15 -0-	Apr 19 '15 Apr 19 '15 -0-	Jun 29 '17 Jun 29 '17 -0-	Substantial Completion: Pearl Harbor Station Nov 15 '16 Airport Station Jan 15 '17 Lagoon Dr Station Mar 15 '17 Middle Street Station May 15 '17
DBB-460	Airport Section Guideway and Utilities Construction	CF Act B/L Var							Re-Packaged: DBB-505 and DBB-520
DBB-560	City Center Section Guideway and Utilities Construction	CF Act B/L Var							Re-Packaged: DBB-510 and DBB-520

[Successful Contractor]

Note: Bid Ready Dates from FD Tracking sheet for Reference.

* Schedule Reference:

CF = Current Forecast

ACT = ACTUAL

B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)

+Ahead/(Behind)/-0- versus the B/L Master Project Schedule

Note: Contract Completion based on 45 days after Substantial Completion (or, with station groups, the last station in the group).

Figure 12. Procurement Tracking Report: Design-Bid-Build (DBB) Contracts (continued)

Procurement Tracking Report									
Design-Bid-Build (DBB) Contracts (Continued)									
Contract #	Contract Name	Sched Ref*	Bid Ready Dates (Ref.)	Advertise for Bids	Bid Opening	Execute Contract	Issue NTP	Contract Completion	Comments
Design-Bid-Build Contracts									
DBB-505 (Re-Packaged)	Airport Section Utilities Construction	CF	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		Act	Mar 01 '13	Mar 29 '13	May 31 '13	Jul 15 '13	Aug 01 '13	Dec 15 '14	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-510 (Re-Packaged)	City Center Section Utilities Construction	CF	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		Act	Aug 15 '13	Sep 16 '13	Nov 15 '13	Jan 04 '14	Jan 18 '14	Sep 15 '15	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-520 (Re-Packaged)	Airport and City Center Sections Guideway Construction	CF	Apr 01 '14	May 01 '14	Jun 16 '14	Jul 31 '14	Aug 14 '14	Jul 01 '18	
		Act	Apr 01 '14	May 01 '14	Jun 16 '14	Jul 31 '14	Aug 14 '14	Jul 01 '18	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-570	Dillingham Station Group Construction	CF	Feb 15 '15	Aug 14 '15	Sep 28 '15	Nov 12 '15	Nov 25 '15	Dec 30 '17	Substantial Completion: Kalihi Station May 15 '17 Kapalama Station Jul 15 '17 Iwilei Station Sep 15 '17 Chinatown Station Nov 15 '17
		Act	Feb 15 '15	Aug 14 '15	Sep 28 '15	Nov 12 '15	Nov 25 '15	Dec 30 '17	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-575	Kaka'ako Station Group Construction	CF	Jun 15 '15	Jan 04 '16	Feb 18 '16	Apr 04 '16	Apr 19 '16	Jul 30 '18	Substantial Completion: Downtown Station Dec 15 '17 Civic Center Station Feb 15 '18 Kaka'ako Station Apr 15 '18 Ala Moana Station Jun 15 '18
		Act	Jun 15 '15	Jan 04 '16	Feb 18 '16	Apr 04 '16	Apr 19 '16	Jul 30 '18	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
DBB-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Construction	CF	Jul 04 '16	Sep 02 '16	Nov 26 '16	Feb 19 '17	Mar 05 '17	Aug 15 '18	Substantial Completion: Jul 01 '18
		Act	Jul 04 '16	Sep 02 '16	Nov 26 '16	Feb 19 '17	Mar 05 '17	Aug 15 '18	
		B/L	-0-	-0-	-0-	-0-	-0-	-0-	
[Successful Contractor]			Note: Bid Ready Dates from FD Tracking sheet for Reference.	* Schedule Reference: CF = Current Forecast ACT = ACTUAL Completed Achieved this Month B/L = Baseline Master Project Schedule [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).] Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast) +Ahead/(Behind)/-0- versus the B/L Master Project Schedule					Note: Contract Completion based on 45 days after Substantial Completion (or, with station groups, the last station in the group).

Figure 13. Procurement Tracking Report: Final Design (FD) Contracts

Procurement Tracking Report												
Final Design Contracts												
Contract #	Contract Name	Sched Ref ^a	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready	Contract Completion	Comments
Final Design Agreements												
FD-140	West Oahu Station Group Final Design [URS Corp.]	CF Act BL Var	Jan 14 '10 Jan 14 '10 -0-		-0-	-0-	Feb 08 '12 Feb 08 '12 Feb 11 '11 (362)	May 29 '12 Jun 14 '12 May 29 '12 +16	Jun 08 '12 Jun 15 '12 Jun 08 '12 +7	Aug 11 '13 Aug 11 '13 -0-	Oct 30 '15 Oct 30 '15 -0-	NTP 1a: 06/15/2012 - SoM, Workshop, Design Schedule NTP 1b: 07/15/2012 - PE Design (CF) NTP 2: 11/12/2012 - Interim Design (CF) NTP 3: 04/11/2013 - Final Design (CF)
FD-240	Farrington Highway Station Final Design [HDR Engineering, Inc.]	CF Act BL Var	Oct 02 '09 Oct 02 '09 -0-	Nov 19 '09 Nov 19 '09 -0-		-0-	Feb 15 '10 Feb 15 '10 Feb 15 '10 -0-	Apr 15 '10 Apr 15 '10 Apr 15 '10 -0-	Jan 14 '11 Jan 14 '11 Jan 14 '11 -0-	Feb 15 '13 Feb 15 '13 -0-	May 30 '15 May 30 '15 -0-	NTP 1b: 03/15/2011 - PE Design (A) NTP 2: 05/16/2011 - Interim Design (A) NTP 3: 11/23/2011 - Final Design (A)
FD-245	Pearl Highlands Parking Structure/ Bus Transit Center Final Design (includes H2/R1 Ramp)	CF Act BL Var	Jun 30 '13 Jun 30 '13 -0-	Aug 14 '13 Aug 14 '13 -0-	Sep 28 '13 Sep 28 '13 -0-	Nov 04 '13 Nov 04 '13 -0-	Dec 04 '13 Dec 04 '13 -0-	Feb 02 '14 Feb 02 '14 -0-	Feb 16 '14 Feb 16 '14 -0-	Oct 01 '15 Oct 01 '15 -0-	Apr 29 '18 Apr 29 '18 -0-	
FD-340	Kamehameha Highway Station Group Final Design (includes H2/R2 Ramp)	CF Act BL Var	Jun 28 '11 Jun 28 '11 -0-	Aug 04 '11 Aug 04 '11 -0-	Sep 28 '11 Sep 28 '11 -0-	Oct 19 '11 Oct 19 '11 -0-	Mar 02 '12 Mar 02 '12 (3)	Jun 08 '12 Jun 08 '12 -0-	Jun 22 '12 Jun 22 '12 -0-	Nov 15 '13 Nov 15 '13 -0-	Aug 29 '15 Aug 29 '15 -0-	NTP 1a: 06/22/2012 - SoM, Workshop, Design Schedule (CF) NTP 1b: 09/24/2012 - PE Design (CF) NTP 2: 01/27/2013 - Interim Design (CF) NTP 3: 06/26/2013 - Final Design (CF)
FD-430	Airport Section Guideway and Utilities Final Design [AECOM Tech Svcs, Inc.]	CF	Utilities							Mar 01 '13		Same for both Utilities and Guideway NTP 1a: 01/05/2012 - SoM, Workshop, Design Schedule (A) NTP 1b: 02/22/2012 - Updating the PE (A) NTP 2: 07/26/2012 - Interim Design (CF) NTP 3: 02/21/2013 - Final Design (CF) Utilities Construction Pkg (DBB-505) and associated Engrg Svcs during Construction. Guideway Design transmitted to the City Center Guideway Designer for the full Construction Bid package (DBB-520).
		Act	Jan 26 '11 Jan 26 '11 -0-	Mar 14 '11 Mar 14 '11 -0-	Apr 09 '11 Apr 09 '11 -0-	Jun 09 '11 Jun 09 '11 -0-	Sep 20 '11 Sep 20 '11 -0-	Dec 22 '11 Dec 22 '11 +144	Jan 05 '12 Jan 05 '12 +157	Mar 01 '13 -0-	Aug 15 '18 -0-	
		Var	Guideway							Apr 01 '14 -0-	Aug 15 '18 -0-	
FD-440	Airport Station Group Final Design	CF Act BL Var	Mar 30 '12 Mar 30 '12 -0-	May 10 '12 May 10 '12 -0-	Jun 21 '12 Jun 21 '12 +7	Jul 10 '12 Jul 21 '12 +11	Jul 31 '12 Aug 23 '12 +23	Sep 28 '12 Oct 12 '12 +14	Sep 28 '12 Oct 26 '12 +28	Aug 15 '14 Aug 15 '14 -0-	Jul 29 '17 Jul 29 '17 -0-	
FD-530	City Center Section Guideway and Utilities Final Design	CF	Utilities							Aug 15 '13		Utilities Construction Pkg (DBB-510) and associated Engrg Svcs during Construction. Guideway Design to be received from Airport Guideway Designer and combined into the full Construction bid package for the Airport and City Center Guideway Construction contract (DBB-520).
		Act	Dec 16 '11 Dec 16 '11 -0-	Feb 09 '12 Feb 09 '12 -0-	Apr 04 '12 Apr 04 '12 -0-	May 11 '12 May 11 '12 -0-	Jun 05 '12 Jun 05 '12 -0-	Aug 01 '12 Jul 18 '12 +14	Jul 31 '12 Aug 01 '12 (1)	Aug 15 '13 -0-	Aug 15 '18 -0-	
		Var	Guideway							Apr 01 '14 -0-	Aug 15 '18 -0-	
FD-540	Dillingham Station Group Final Design	CF Act BL Var	Sep 03 '12 Sep 03 '12 -0-	Nov 07 '12 Nov 07 '12 -0-	Jan 11 '13 Jan 11 '13 -0-	Feb 17 '13 Feb 17 '13 -0-	Mar 19 '13 Mar 19 '13 -0-	May 18 '13 May 18 '13 -0-	Jun 01 '13 Jun 01 '13 -0-	Feb 15 '15 Feb 15 '15 -0-	Jul 31 '18 Jul 31 '18 -0-	
FD-545	Kaka'ako Station Group Final Design	CF Act BL Var	Dec 15 '12 Dec 15 '12 -0-	Feb 18 '13 Feb 18 '13 -0-	Apr 24 '13 Apr 24 '13 -0-	May 31 '13 May 31 '13 -0-	Jun 30 '13 Jun 30 '13 -0-	Aug 29 '13 Aug 29 '13 -0-	Sep 12 '13 Sep 12 '13 -0-	Jun 15 '15 Jun 15 '15 -0-	Sep 14 '18 Sep 14 '18 -0-	
FD-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes Final Design	CF Act BL Var	Sep 10 '14 Sep 10 '14 -0-	Dec 08 '14 Dec 08 '14 -0-	Jan 14 '15 Jan 14 '15 -0-	Feb 13 '15 Feb 13 '15 -0-	Apr 14 '15 Apr 14 '15 -0-	Apr 27 '15 Apr 27 '15 -0-	May 12 '15 May 12 '15 -0-	Jul 04 '16 Jul 04 '16 -0-	Sep 14 '18 Sep 14 '18 -0-	

[Successful Contractor]

^a Schedule Reference:

CF = Current Forecast

ACT = ACTUAL Completed Achieved this Month

BL = Baseline Master Project Schedule

[Note: BL reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)

+Ahead/(Behind)-0- versus the BL Master Project Schedule

Notes:1) All Final Design Consultants are responsible for providing Design Support Services during Bidding and during Construction in accordance with their contracts. Schedule Basis: Contract Completion one (1) month after Construction Contract Completion.2) NTP Dates in the Comments column are either **Actual (A)** or the Current Forecast (CF).

Figure 14. Construction Engineering and Inspection Services (CE&I) Contracts

Procurement Tracking Report Construction Engineering and Inspection (CE&I) Services Contracts												
Contract #	Contract Name	Sched Ref*	Advertise RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Bid Ready Dates (Ref.)	Contract Completion	Comments
Construction Engineering & Inspection Agreements												
MM-180	West Oahu and Farrington Highway Station Groups CE&I Services	CF Act B/L Var	Jul 09 '12 Jul 09 '12 -0- -0-	Aug 08 '12 Aug 08 '12 -0- -0-	Sep 07 '12 Sep 07 '12 -0- -0-	Oct 08 '12 Oct 08 '12 -0- -0-	Nov 07 '12 Nov 07 '12 -0- -0-	Dec 07 '12 Dec 07 '12 -0- -0-	Dec 17 '12 Dec 17 '12 -0- -0-	Feb 15 '13 Feb 15 '13 -0- -0-	Oct 30 '15 Oct 30 '15 -0- -0-	Bid Ready Date reflects Farrington Hwy construction pkg. Contract completion reflects completion of West Oahu construction completion. Current Forecast tied to schedule slippage of Farrington Bid Ready date.
MM-380	Kamehameha Highway Station Group CE&I Services (includes H2/R2 Ramp)	CF Act B/L Var	Feb 13 '13 Feb 13 '13 -0- -0-	Mar 15 '13 Mar 15 '13 -0- -0-	Apr 16 '13 Apr 16 '13 -0- -0-	May 16 '13 May 16 '13 -0- -0-	Jun 17 '13 Jun 17 '13 -0- -0-	Aug 16 '13 Aug 16 '13 -0- -0-	Sep 16 '13 Sep 16 '13 -0- -0-	Nov 15 '13 Nov 15 '13 -0- -0-	Aug 29 '15 Aug 29 '15 -0- -0-	
MM-385	Pearl Highlands Parking Structure/ Bus Transit Center CE&I Services (includes H2/R1 Ramp)	CF Act B/L Var	Jan 05 '15 Jan 05 '15 -0- -0-	Feb 02 '15 Feb 02 '15 -0- -0-	Mar 05 '15 Mar 05 '15 -0- -0-	Apr 03 '15 Apr 03 '15 -0- -0-	May 04 '15 May 04 '15 -0- -0-	Jul 03 '15 Jul 03 '15 -0- -0-	Aug 03 '15 Aug 03 '15 -0- -0-	Oct 01 '15 Oct 01 '15 -0- -0-	Apr 29 '18 Apr 29 '18 -0- -0-	
MM-500	Airport & City Center Section Utilities CE&I Services	CF Act B/L Var	Jul 20 '12 Jul 20 '12 -0- -0-	Aug 20 '12 Aug 20 '12 -0- -0-	Sep 10 '12 Sep 10 '12 -0- -0-	Oct 09 '12 Oct 09 '12 -0- -0-	Nov 08 '12 Nov 08 '12 -0- -0-	Dec 13 '12 Dec 13 '12 -0- -0-	Dec 28 '12 Dec 28 '12 -0- -0-	Mar 01 '13 Mar 01 '13 -0- -0-	Oct 30 '15 Oct 30 '15 -0- -0-	
MM-485	Airport Station Group CE&I Services	CF Act B/L Var	Nov 15 '13 Nov 15 '13 -0- -0-	Dec 16 '13 Dec 16 '13 -0- -0-	Jan 15 '14 Jan 15 '14 -0- -0-	Feb 14 '14 Feb 14 '14 -0- -0-	Mar 17 '14 Mar 17 '14 -0- -0-	May 16 '14 May 16 '14 -0- -0-	Jun 16 '14 Jun 16 '14 -0- -0-	Aug 15 '14 Aug 15 '14 -0- -0-	Jun 29 '17 Jun 29 '17 -0- -0-	
MM-525	Airport and City Center Sections Guideway CE&I Services	CF Act B/L Var	Jul 19 '13 Jul 19 '13 -0- -0-	Sep 02 '13 Sep 02 '13 -0- -0-	Oct 16 '13 Oct 16 '13 -0- -0-	Nov 15 '13 Nov 15 '13 -0- -0-	Dec 16 '13 Dec 16 '13 -0- -0-	Feb 14 '14 Feb 14 '14 -0- -0-	Mar 17 '14 Mar 17 '14 -0- -0-	May 15 '14 May 15 '14 -0- -0-	Aug 15 '18 Aug 15 '18 -0- -0-	
MM-585	Dillingham and Kaka'ako Station Groups CE&I Services	CF Act B/L Var	May 23 '14 May 23 '14 -0- -0-	Jun 23 '14 Jun 23 '14 -0- -0-	Jul 21 '14 Jul 21 '14 -0- -0-	Aug 19 '14 Aug 19 '14 -0- -0-	Sep 18 '14 Sep 18 '14 -0- -0-	Nov 17 '14 Nov 17 '14 -0- -0-	Dec 17 '14 Dec 17 '14 -0- -0-	Feb 15 '15 Feb 15 '15 -0- -0-	Jul 30 '18 Jul 30 '18 -0- -0-	Bid Ready Date reflects Dillingham construction pkg. Contract completion reflects completion of Kaka'ako construction completion.
MM-600	UH West Oahu Park-and-Ride and Ho'opili Station Finishes CE&I Services	CF Act B/L Var	Oct 21 '15 Oct 21 '15 -0- -0-	Nov 20 '15 Nov 20 '15 -0- -0-	Dec 21 '15 Dec 21 '15 -0- -0-	Jan 20 '16 Jan 20 '16 -0- -0-	Feb 19 '16 Feb 19 '16 -0- -0-	Apr 05 '16 Apr 05 '16 -0- -0-	May 05 '16 May 05 '16 -0- -0-	Jul 04 '16 Jul 04 '16 -0- -0-	Aug 15 '18 Aug 15 '18 -0- -0-	
[Successful Contractor] * Schedule Reference: CF = Current Forecast ACT = ACTUAL Completed Achieved this Month B/L = Baseline Master Project Schedule [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).] Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast) +Ahead(Behind)-0- versus the B/L Master Project Schedule										Note: Bid Ready Dates from FD Tracking sheet for Reference. Schedule Basis: NTP to CE&I Contracts two (2) months prior to Bid Ready Date for constructibility review; Contract completion one-and-one-half (1-1/2) month after Substantial Completion (SC); (For station contracts, SC of the last station in the group.)		

Figure 15. Project Management and Specialty Consultant Services Contracts

Procurement Tracking Report											
Project Management and Specialty Consultant Services Contracts											
CPP Contract #	Contract Name	Sched Ref ^a	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
MM-900	Program Management Support Consultant - 1 (PMSC-1) [InfraConsult LLC]	CF Act BL Var	Jul 15 '09 Jul 15 '09 Jul 15 '09 -0-	Sep 01 '09 Sep 01 '09 Sep 01 '09 -0-					Nov 19 '09 Nov 19 '09 Nov 19 '09 -0-	Feb 28 '12 Feb 28 '12 Feb 28 '12 -0-	
MM-901	Program Management Support Consultant - 2 (PMSC-2) [InfraConsult LLC]	CF Act BL Var	Aug 03 '11 Aug 03 '11 Aug 03 '11 -0-	Sep 02 '09 Sep 02 '09 Sep 02 '09 -0-				Feb 28 '12 Feb 28 '12 Feb 23 '12 (5)	Mar 08 '12 Mar 08 '12 Feb 23 '12 (14)	Feb 28 '15 Feb 28 '15 Feb 28 '15 -0-	
MM-905	General Engineering Consultant I (GEC1) (EIS/Preliminary Engrg) [Parsons Brinckerhoff]	CF Act BL Var	Jun 01 '07 Jun 01 '07 Jun 01 '07 -0-	Aug 24 '07 Aug 24 '07 Aug 24 '07 -0-					Oct 25 '09 Oct 25 '09 Oct 25 '09 -0-	Mar 25 '12 Mar 25 '12 Mar 25 '12 -0-	
MM-910	General Engineering Consultant II (GEC2) (Final Design and Construction) [Parsons Brinckerhoff, Inc.]	CF Act BL Var	Sep 03 '09 Sep 03 '09 Sep 03 '09 -0-	Nov 15 '09 Nov 15 '09 Nov 15 '09 -0-				Jun 30 '11 Jun 30 '11 Jun 30 '11 -0-	Aug 02 '11 Aug 02 '11 Aug 02 '11 -0-	Aug 01 '14 Aug 01 '14 Aug 01 '14 -0-	
MM-935	Real Estate Consultant [Paragon Partners, Ltd.]	CF Act BL Var	Apr 01 '11 Apr 01 '11 Apr 01 '11 -0-				Sep 08 '11 Sep 08 '11 Sep 08 '11 -0-	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 14 '12 Mar 14 '12 Mar 15 '12 +1	Mar 13 '17 Mar 13 '17 Mar 13 '17 -0-	
MM-940	Kako'o Consultant [Pacific Legacy, Inc.]	CF Act BL Var	May 20 '11 May 20 '11 May 20 '11 -0-	Jun 20 '11 Jun 20 '11 Jun 20 '11 -0-			Sep 09 '11 Sep 09 '11 Sep 09 '11 -0-	Mar 29 '12 Mar 29 '12 Mar 15 '12 (14)	Mar 29 '12 Mar 30 '12 Mar 15 '12 (14)	Feb 14 '17 Feb 14 '17 Feb 14 '17 -0-	
MM-950	Owner Controlled Insurance Program (OCIP) Consultant [Marsh USA, Inc.]	CF Act BL Var	Jan 31 '12 Jan 31 '12 Jan 31 '12 -0-				Mar 01 '12 Mar 01 '12 Mar 01 '12 -0-	May 10 '12 May 10 '12 May 18 '12 +8	May 10 '12 Jun 05 '12 Apr 28 '12 (38)	May 09 '17 Dec 01 '19 -----	5-year Consultant Services contract to assist in procurement of insurance coverage and administer insurance and risk management services for the HRTF.
MM-975	LEED Commissioning Services for the Maintenance and Storage Facility (MSF) [Enovity, Inc.]	CF Act BL Var						Oct 06 '10 Oct 06 '10 Oct 07 '10 +1	Oct 07 '10 Oct 07 '10 Oct 07 '10 -0-	Jan 14 '16 Jan 14 '16 Jan 14 '16 -0-	

[\[Successful Contractor\]](#)


* Schedule Reference:
 CF = Current Forecast
 ACT = ACTUAL  Achieved this Month
 BL = Baseline Master Project Schedule
 [Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]
 Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)
 +Ahead/(Behind)-0- versus the B/L Master Project Schedule


Figure 16. HDOT Consultant Services and Other Contracts

Procurement Tracking Report Hawaii Department of Transportation (HDOT) Consultant Services Contracts and Other Contracts											
CPP Contract #	Contract Name	Sched Ref*	Issue RFQ	SOQs Submitted	Select BQO/ Advise BFS	Receive SOW	Receive Price Proposal	Finalize Contract	Issue NTP	Contract Completion	Comments
HDOT Agreements											
MM-915	HDOT Traffic Management Coordination Consultant <i>[JCX Transportation Group]</i>	CF Act B/L Var	Aug 15 '11 Aug 15 '11 Mar 04 '11 (164)	-0-	-0-	-0-	-0-	Jun 01 '12 Jun 05 '12 Jun 01 '12 (4)	Jul 01 '12 Jun 12 '12 Jul 01 '12 +19	Jul 01 '17 Feb 15 '19 +594	Scope of services is for the entire alignment. Contract length = 60 months.
MM-920	HDOT Design Coordination Consultant - West Oahu/Farrington Highway Guideway Section <i>[AECOM Tech Svcs, Inc.]</i>	CF Act B/L Var						Jun 07 '11 Jun 07 '11 Jun 07 '11 -0-	Jun 08 '11 Jun 08 '11 Jun 08 '11 -0-	Jun 15 '18 Jun 15 '18 -0-	
MM-921	HDOT Design Coordination Consultant - Kamehameha Highway Guideway Section <i>[AECOM Tech Svcs, Inc.]</i>	CF Act B/L Var						Jun 01 '12 Jun 05 '12 Apr 01 '12 (61)	Jul 01 '12 Apr 01 '12 -0-	Jul 15 '15 Jul 15 '15 -0-	
MM-922	HDOT Design Coordination Consultant - Airport Guideway Section <i>[SSFM International]</i>	CF Act B/L Var						Jan 16 '14 Jun 08 '12 Jan 16 '14 +587	Jan 30 '14 Jun 12 '12 Jan 30 '14 +597	Jun 15 '18 Jun 15 '18 -0-	
MM-923	HDOT Design Coordination Consultant - City Center Guideway Section	CF Act B/L Var	Jul 14 '14 Jul 14 '14 -0-	Aug 28 '14 Aug 28 '14 -0-	Oct 12 '14 Oct 12 '14 -0-	Nov 18 '14 Nov 18 '14 -0-	Dec 18 '14 Dec 18 '14 -0-	Feb 16 '15 Feb 16 '15 -0-	Mar 02 '15 Mar 02 '15 -0-	Jun 15 '18 Jun 15 '18 -0-	
Other Agreements											
MM-945	On-Call Construction Contractor	CF Act B/L Var	Mar 15 '13 Mar 15 '13 -0-	Apr 14 '13 Apr 14 '13 -0-	Apr 29 '13 Apr 29 '13 -0-	May 29 '13 May 29 '13 -0-	Jun 28 '13 Jun 28 '13 -0-	Jul 28 '13 Jul 28 '13 -0-	Aug 27 '13 Aug 27 '13 -0-	Mar 03 '19 Mar 03 '19 -0-	
MM-946	On-Call HazMat Contractor(s)	CF Act B/L Var						Jun 15 '12 Jun 30 '12 Jun 15 '12 -0-	Jun 30 '12 Jun 30 '12 -0-	Feb 15 '17 Feb 15 '17 -0-	HART is using City HazMat on-call pre-qualified list to determine offerors.

[Successful Contractor]

* Schedule Reference:

CF = Current Forecast

ACT = ACTUAL  

B/L = Baseline Master Project Schedule

[Note: B/L reflects the re-baselined Contract Packaging Plan (Revision 3, Mar 30 '12) and the re-baselined Master Project Schedule (Revision 4, Mar 30 '12).]

Variance = Variance of (Baseline Master Project Schedule) Less (Current Forecast)

+Ahead/(Behind)-0- versus the B/L Master Project Schedule

3.2 Design-Build (DB) Contracts

Contract DB-120: West Oahu/Farrington Highway Guideway (WOFH)

DB Contractor: Kiewit Infrastructure West Company (KIWC)

Committed: ¹	\$501,969,231	Incurred:	\$133,497,661 (26.6%)
Authorized: ²	\$255,371,114 (50.9%)	Substantial Completion:	November 2014

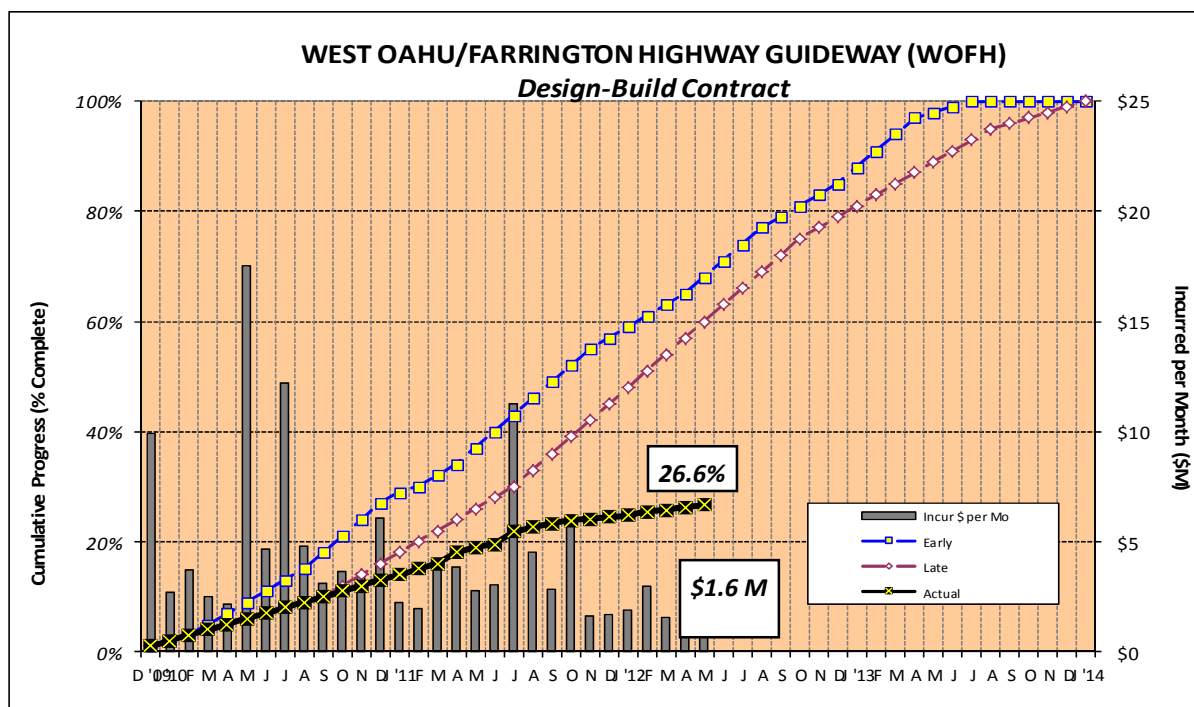
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 17 below, overall progress is 26.6% on a weighted basis. Actual work progress is lagging the projected late start progress due to delays in issuance of Notices to Proceed (NTPs). Kiewit is in the process of preparing a schedule revision to reflect the actual NTP dates, and progress curves will be revised accordingly.
- Design is 95% complete.

Figure 17. West Oahu/Farrington Highway Guideway (WOFH) Contract



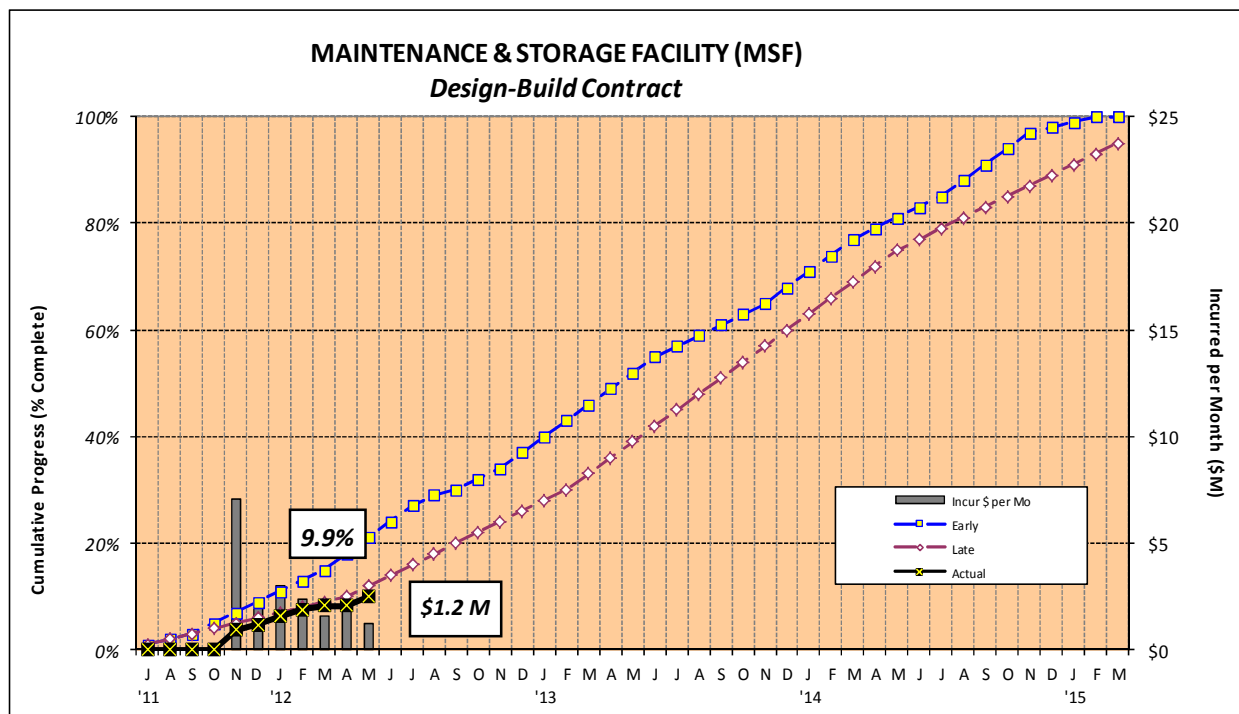
- A total of 305 contract submittals have been received (20 currently under review).
- Geotechnical investigations are 97% complete with 311 of a total 320 borings completed. The remaining borings are in the Koloi Channel and Banana Patch areas.
- Tree relocations/removals remain at 69% complete with 252 of 364 trees trimmed, relocated or removed for repurposing or without salvage. Additional tree work will continue as the foundation work progresses.

- Overall utility relocation is 13% complete. Relocation work has begun on the Farrington Highway 30-inch water line near Old Fort Weaver Road.
 - HART has received 221 Requests for Information (RFIs) from the contractor (2 open).
 - Construction for guideway column foundations continued in the West Oahu area, with 30 drilled shafts completed. Form work for the first column was removed on June 8.
 - Work began at Waipahu High School, including abatement of hazardous material in an existing classroom that will be retrofitted.
- **Look Ahead**
 - Continue utility relocations, including water line and electrical work along Farrington Highway.
 - Continue construction of guideway columns and drilled shaft foundations.
 - Continue work at Waipahu High School.
 - Submit building permit plans for the precast yard.

Contract DB-200: Maintenance and Storage Facility (MSF)**DB Contractor: Kiewit/Kobayashi Joint Venture (KKJV)****Committed:**¹ \$195,258,000**Incurred:**² \$19,399,081 (9.9%)**Authorized:**² \$128,288,734 (65.7%)**Substantial Completion:** November 2014¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 18 below, overall progress is 9.9% on a weighted basis.
- Design is 95% complete.

Figure 18. Maintenance and Storage Facility (MSF) Contract

- The grading permit was received in June.
- A total of 60 contract submittals have been received (3 currently under review).
- HART has received 108 Requests for Information (RFIs) from the contractor (15 open).
- Kiewit/Kobayashi held interface meetings with the Core Systems Contractor, Ansaldo, and evaluated requests for revisions to the yard tracks and building layout.

- **Look Ahead**

- Resolution of Core Systems interface items.
- Commencement of mass grading in July.

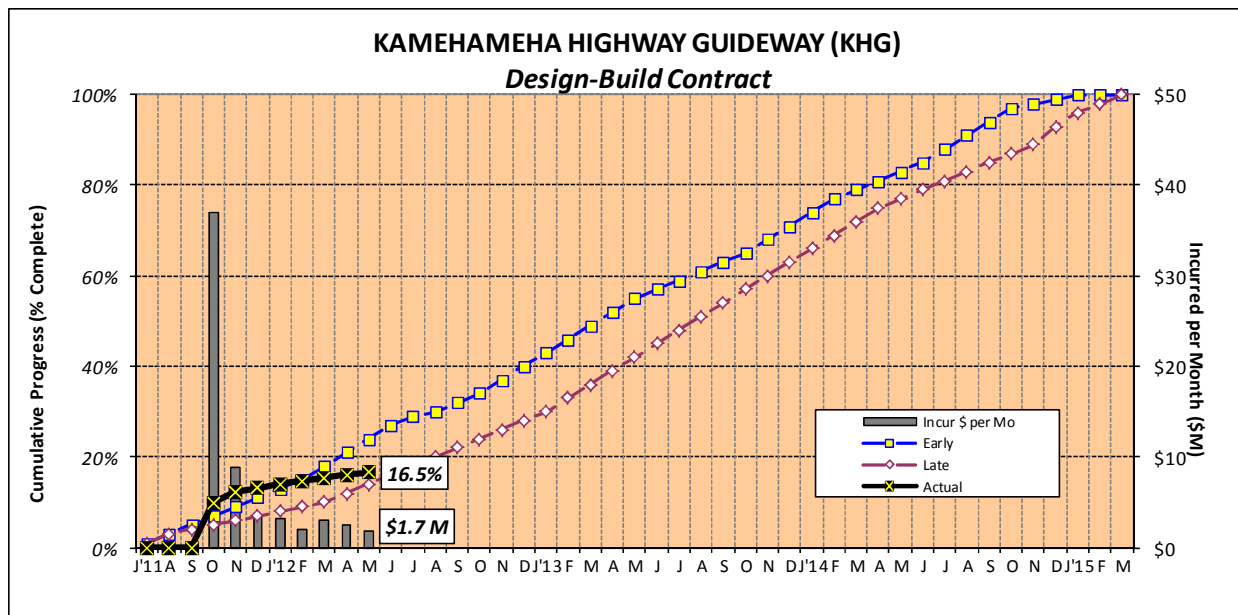
Contract DB-320: Kamehameha Highway Guideway (KHG)**DB Contractor: Kiewit Infrastructure West Company (KIWC)**

<u>Committed:</u> ¹	\$372,150,000	<u>Incurred:</u>	\$61,511,496 (16.5%)
<u>Authorized:</u> ²	\$162,166,081 (43.6%)	<u>Substantial Completion:</u>	June 2015

¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.² Authorized for Expenditure (AFE) as of May 25.

- Activities this month**

- AS shown in Figure 19 below, overall progress is 16.5% on a weighted basis.
- Design is 87% complete.

Figure 19. Kamehameha Highway Guideway (KHG) Contract

- Geotechnical investigations are 97% complete.
- A total of 145 contract submittals have been received (22 under review).
- HART has received 73 Requests for Information (RFIs) from the contractor (1 open).
- Kiewit completed method shaft 7 in the Aloha Stadium parking lot, one of 3 method shafts planned.

- Look Ahead**

- Completion of load test shaft 14 in the Aloha Stadium parking lot.
- Commencement of utility relocations.

3.3 Design-Build-Operate-Maintain (DBOM) Contract

Contract DBOM-920: Core Systems Contract (CSC)

DBOM Contractor: Ansaldo Honolulu Joint Venture (AHJV)

Committed: ¹	\$573,872,793	Incurred:	\$13,747,592 (2.4%)
Authorized: ²	\$ 20,285,221 (3.5%)	Start-up Completion:	April 1, 2019

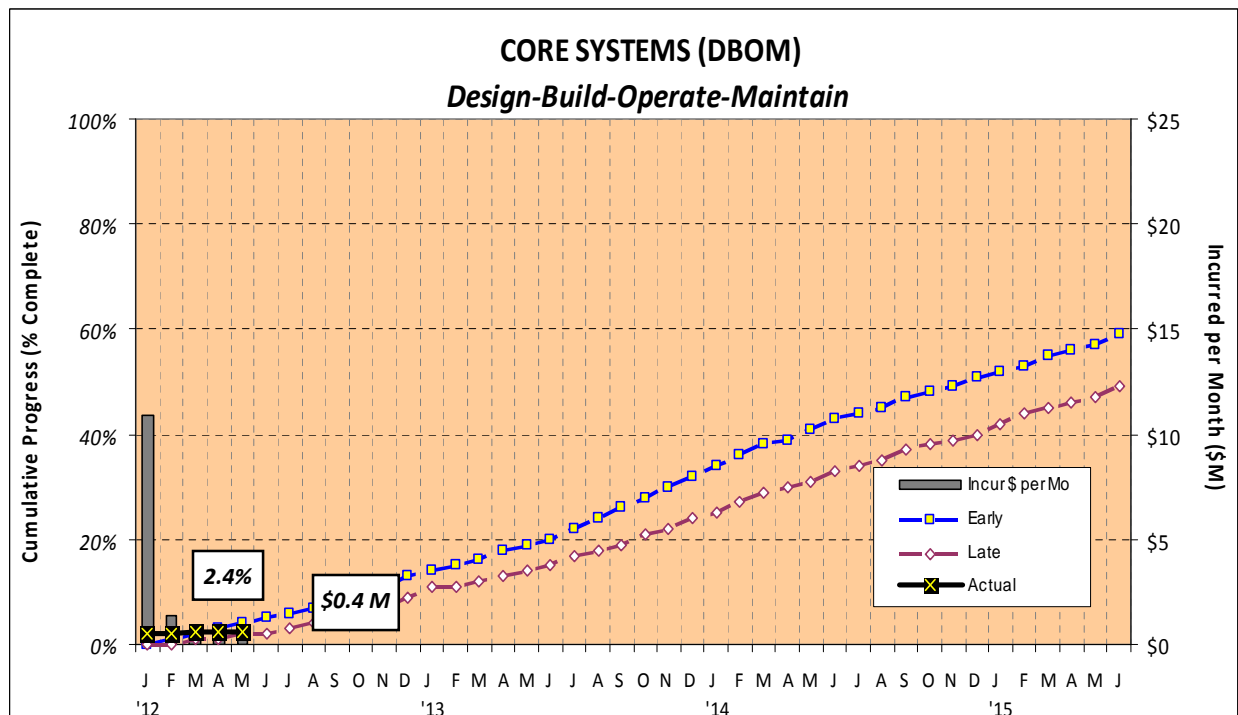
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25. The contract budget does not include an additional \$823.6 for Operations and Maintenance.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 20 below, overall progress is 2.4% on a weighted basis.

Figure 20. Core Systems Contract (CSC)



- AHJV continues to participate in Interface meetings and to issue/respond to Requests for Interface Data (RFIDs).
- HART and AHJV continue to hold meetings on vehicle design, MSF, mainline curve alignment and schedule.
- AHJV and KKJV completed a Team Meeting of technical experts to resolve MSF/CSC issues, now pending finalization and acceptance by HART.
- AHJV continues to work on the Baseline Schedule with HART.
- HART-AHJV workshops on door spacing and vehicle underfloor design have been completed and continue on crash design verification and cable tray design.

- Reviewing effects of adding additional flip-up seats on the vehicle and on overall vehicle capacity.
- Design has started on communications and traction power systems.
- **Look Ahead**
 - Weekly CSC meetings on: project management, technical issues, conceptual design, problem-solving and safety and security.
 - Interface meetings with WOFH, FHSG, KHG, MSF and Airport Guideway designers and contractors.
 - AHJV submittal and HART acceptance of the Baseline Schedule.
 - Resolution of MSF site issues.
 - Decision on additional vehicle flip-up seats.

3.4 Design-Bid-Build (DBB) Contracts

Activities this month relate to HART, General Engineering Consultant (GEC) and Final Design (FD) Consultant activities for the subject DBB construction contracts, since no DBB Construction contract has been awarded to date.

STATION DBB CONTRACTS (Executed and In Negotiation)

Contract DBB-270: Farrington Highway Station Group Construction (FHSG)

Contractor FD-240: HDR Engineering, Inc., Final Design Consultant (Engineer of Record)

Committed: ¹	\$5,800,696	Incurred: ²	\$3,449,074 (59.5%)
Authorized: ³	\$4,630,136 (75.7%)	Construction Docs Bid-Ready:	February 15, 2013

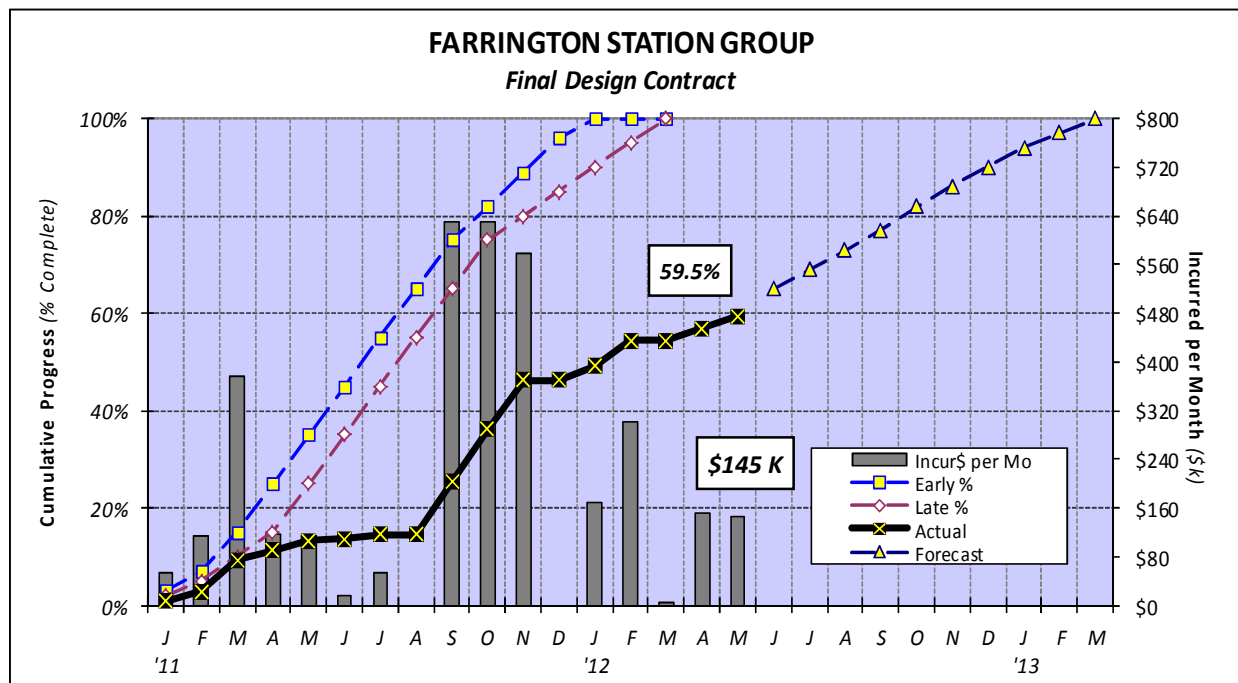
¹ Commitment to Date = Contract Value (at Award) + Executed Change Orders as of May 25.

² Authorized for Expenditure (AFE) as of May 25.

- **Activities this month**

- As shown in Figure 21 below, the overall progress is 59.5% on a weighted basis. Actual work progress is lagging the projected Late Start due to delays in issuance of Notices to Proceed (NTPs).

Figure 21. Farrington Highway Station Group (FHSG) Final Design Contract



- Amendment 7 was executed on June 18, allowing the consultant to proceed with Interim Design (Notice to Proceed 2).
- Module Concept design is underway:
 - a 3-day workshop was conducted in June,

- a new module design is under development for the West Loch and Waipahu Stations and minor changes are being made to the Leeward Community College Station design and
- Pedestrian bridge reduction and canopy structural support are being evaluated for potential cost and quality benefits.
- 57 Requests for Information (RFIs) have been submitted to date (1 open).
- 26 Requests for Change (RFCs) are in process (4 HART-initiated and 1 Contractor-initiated RFCs remain open).
- **Look Ahead**
 - Development of the Module Concept will continue through July.
 - Complete NTP2 for Interim Design for the West Loch, Waipahu Transit Center and Leeward Community College (LCC) stations by November.

Contract DBB-170: West Oahu Station Group Construction (WOSG)**Contractor FD-140: URS, Final Design Consultant (Engineer of Record)**Construction Docs Bid Ready: August 11, 2013

- **Activities this month**

- The Final Design Contract was executed and Notice to Proceed #1a (NTP1a) was issued on June 15. The Kick-off Meeting was held on June 27.

- **Look Ahead**

- A 3-Day Design Workshop is being planned for the week of July 9.
- URS to submit Design Schedule and Schedule of Milestones for HART review.

Contract DBB-370: Kamehameha Highway Station Group Construction (KHSG)**Contractor FD-340: TBD, Final Design Consultant (Engineer of Record)**Construction Docs Bid Ready: November 15, 2013

- **Activities this month**

- Current Final Design contract negotiations have been terminated and a new contracting strategy is being developed.

- **Look Ahead**

- Implementation of the new contracting strategy.

Contract DBB-470: Airport Station Group (ASG)**Contractor FD-440: TBD, Final Design Consultant (Engineer of Record)**Construction Docs Bid Ready: August 15, 2014

- **Activities this month**

- HART signed the letter to the ranked Final Design Consultant on June 15, transmitted Scope of Work requirements and reference materials and held an Introduction Meeting on June 25.

- **Look Ahead**

- The Consultant is scheduled to submit a detailed Scope of Work on July 10.

GUIDEWAY AND UTILITY DBB CONTRACTS (Executed and In Negotiation)

As part of the re-baselining/FFGA submittal process, the Airport and City Center sections guideway construction and utilities relocation and roadway improvement contracts have been repackaged.

Contract DBB-460 Airport Utility and Guideway (AGW)

Contractor FD-430: AECOM Technical Services, Inc., Final Design Consultant (Engineer of Record)

Committed: ¹	\$38,840,960	Incurred:	\$5,204,079	(14.0%)
Authorized:	\$14,018,093	(36.1%)	Construction Docs Bid-Ready:	June 28, 2013

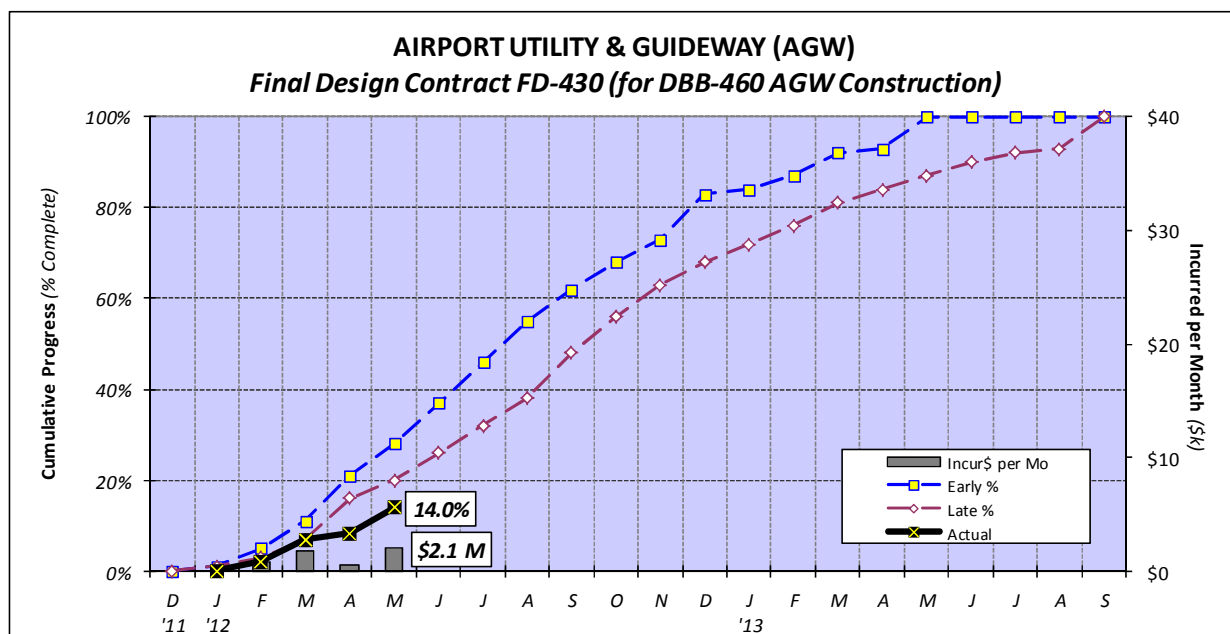
¹ Commitment to Date = Contract Value at Award (\$37,252,946) + Design Allowance (\$1,588,014) + Executed Change Orders (\$0) as of the May 25 data date.

² Authorized for Expenditure (AFE) = \$ authorized for work in Notices to Proceed (NTP1a \$784,136 of January 5 and NTP1b \$13,233,957 of February 22) issued to the contractor (% = per \$ Committed).

- **Activities this month**

- As shown in Figure 22 below, the overall progress is 14% on a weighted basis.

Figure 22. Airport Utility and Guideway (AGW) Final Design (FD) Contract



- Notice to Proceed 1b (NTP1b) for the Preliminary Engineering Update was issued on February 22.
- A Final Design Schedule submitted by AECOM has been accepted by HART.
- June 1 and June 18 meetings were held with HDOT Airport and Highways and Hawaiian Airlines to further discuss the proposed alignment at the airport entry.
- HART is currently reviewing the updated Preliminary Engineering drawings submitted by AECOM on June 18.

- **Look Ahead**

- HART-GEC-Stakeholder 30-day review of the Preliminary Engineering Update through mid-July.
- Continue to coordinate meetings with stakeholders: HDOT Airports and Highways, the Transportation Security Administration (TSA), Federal Aviation Administration (FAA), Hawaiian Airlines, the U.S. Post Office and the U.S. Navy, as well as utility companies.
- NTP2 for Interim Design to be issued mid-July, pending HART review and acceptance of AECOM's Preliminary Engineering Update.

Contract DBB-505: Airport Section Utilities Construction

- **Airport Segment Guideway and Utilities Final Design Contract FD-430**
Final Design Consultant (Engineer of Record): AECOM Technical Services, Inc.

Utility Constr Docs Bid Ready: March 01, 2013

This contract is for utilities construction and associated engineering services during construction of the Airport section. This new contract removes the scope for utilities relocation and roadway improvements from the former DBB-460 Airport Section Guideway and Utilities Construction contract and creates a new construction work package to be completed before guideway construction.

Contract DBB-510: City Center Section Utilities Construction

City Center Section Guideway and Utilities Contract FD-530 Final Design Consultant: TBD

Utility Constr Docs Bid Ready: August 15, 2013

This contract is for utilities construction and associated engineering services during construction of the City Center section. This new contract removes the scope for utilities relocation and roadway improvements from the former DBB-560 City Center Section Guideway and Utilities Construction contract and creates a new construction work package to be completed before guideway construction.

Contract DBB-520: Airport and City Center Sections Guideway Construction

Airport Segment Guideway and Utilities Contract FD-430 Final Design Consultant (Engineer of Record): AECOM Technical Services, Inc.

City Center Section Guideway Contract FD-530 Final Design Consultant: TBD

GW Constr Docs Bid Ready: April 01, 2014

The guideway final design will be received from the Airport Guideway Designer, AECOM Technical Services, Inc., at completion of the FD-430 contract, and added to the construction bid package for the combined DBB-520 Airport and City Center Sections Guideway Construction contract. This new contract removes the scope for guideway construction from the previous DBB-460 and DBB-560 Guideway and Utilities Construction contracts and creates a new construction work package that will be executed as a single contract.

3.5 Utility Agreements

- **Activities this month**

- WOFH section:
 - Utility Construction Agreements (UCAs) have been executed with:
 - AT&T
 - Hawaiian Electric Company (HECO)
 - Oceanic Time Warner Cable (OTWC)
 - Pacific LightNet, Inc. (PLNI)
 - The Gas Company (TGC).
 - HART placed its third materials order with HECO under the executed Utility Facilities Relocation and Cost Reimbursement Agreement (UFRCA) for both Engineering and Construction.
 - The UCA with Sandwich Isles Communication (SIC), while not required, is expected to be executed in July.
 - The Hawaiian Telcom (HT) UCA, based upon the HECO UFRCA template, is under HT review for target execution in July.
- KHG section:
 - All Engineering Service Agreements (ESAs) required for KHG have been executed:
 - AT&T
 - Chevron
 - HT
 - OTWC
 - SIC
 - PLNI
 - Tesoro
 - TGC
 - tw telecom.
 - Execution of the UFRCA with HECO for the KHG section was targeted for late June (end of City Fiscal Year 2012), but may slide to July (start FY13) per funding availability.
- Airport and City Center sections:
 - All ESAs for the Airport and City Center sections have been transmitted to the utility owners for review and comment.


- **Look Ahead**


- Transmit draft UCAs to utility owners in the KHG section.

See the next page for the latest Utility Agreements Status Matrix.

Figure 23. Utility Agreements Status Matrix (by section)

Utility Agreements Status Matrix							
Utility Owner	WOFH		KHG		Airport		City Center
	ESA	UCA	ESA	UCA	UCA	COMBINED ESA	UCA
AT&T	Executed May 11 '11 NTP May 12 '11	Executed Dec 20, 2011 NTP Dec 21, 2011	Executed May 18, 2012 NTP May 18, 2012	Completed draft UCA; under COR review		Preparing draft ESA	
Chevron	Executed Dec 04 '09 NTP Dec 22 '09		Executed Nov 04 '11 NTP Nov 15 '11	Preparing draft UCA		Completed draft ESA; under COR review	
Hawaiian Telcom (HT)	Executed May 20 '10 NTP June 14 '10	Sent first draft (based upon HECO) to HT for review	Executed May 10, 2012 NTP May 10, 2012	Preparing draft UCA		Completed draft ESA; under COR review	
HECO	By Agreement with PB	Executed Apr 20, 2012 NTP Apr 20, 2012	Nearing agreement with HECO on KHG UFRCA; execution expected in June; Bridging Agreement to serve in the interim during the month of June			Will pull design language from UFRCA	
Oceanic Time Warner	Executed Dec 08 '09 NTP Dec 22 '09	Executed Dec 21, 2011 NTP Dec 21, 2011	Executed Jan 9, 2012 NTP Jan 9, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	
Pacific Lightnet (PLN)	Executed Apr 28 '10 NTP Apr 29 '10	Executed Mar 12, 2012 NTP Mar 13, 2012	Executed Feb 15, 2012 NTP Feb 16, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	
Sandwich Isle Communications	Executed May 20 '10 NTP June 08 '10	Sent final version to SIC for execution	Executed Apr 20, 2012 NTP Apr 20, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	
The Gas Company	Executed Dec 18 '09 NTP Dec 22 '09	Executed June 30 '11 NTP Jul 12 '11	Received signed agreement from TGC; pending execution	Completed draft UCA; under COR review		Preparing draft ESA	
TW Telecom	Executed Dec 02 '09 NTP Dec 22 '09		Executed Feb 14, 2012 NTP Feb 16, 2012	Preparing draft UCA		Completed draft ESA; under COR review	
Tesoro			Executed Feb 15, 2012 NTP Feb 16, 2012	Completed draft UCA; under COR review		Completed draft ESA; under COR review	

Legend:  = Action this month

 = Not applicable

ESA = Engineering Services Agreement

UCA = Utility Construction Agreement

UFRCA = Combined Engineering and Construction Utility Agreement

COR = City and County of Honolulu Corporation Counsel

3.6 Permits

- **Activities this month**

- Significant permits issued to HART for WOFH:
 - The Hawaii Department of Transportation Highways Division (HDOT Highways) approved a Municipal Separate Storm Sewer System (MS4) Permit to Discharge into the State Highways Drainage System for permanent shaft dewatering and permanent utility relocation dewatering, allowing storm water runoff from dewatering activities to enter drainage inlets owned by the State Highways.
- Significant permits issued to HART for KHG:
 - On June 4, HDOT Highways approved an MS4 Permit to Discharge into the State Highways Drainage System for permanent construction, allowing storm water runoff from construction activities to enter drainage inlets owned by the State Highways.

- **Look Ahead**

- Significant permits to be issued to HART for WOFH:
 - HDOH Clean Water Branch NPDES-Form G-Dewatering Permit, necessary for performing dewatering activities for permanent shaft activities.
 - City and County of Honolulu Department of Education Facilities Development Branch Planning Section (City DOE) MS4s for permanent construction and permanent shaft dewatering activities during the relocation of two portable classroom buildings near Waipahu High School. This is necessary to allow storm water runoff from construction and dewatering activity discharges to enter drainage inlets owned by the City DOE.
- Significant permits to be issued to HART for Airport Guideway Design:
 - HDOH Clean Water Branch NPDES-Form C-General Construction for pre-construction activities in the Airport section, necessary before performing any ground-disturbing activity.
 - HDOT Highways Division MS4 Permit to Discharge into the State Highways Drainage System for pre-construction activities in the Airport section to allow storm water runoff from exploratory and geotechnical work to enter drainage inlets owned by the State Highways.

3.7 Hawaii Department of Transportation (HDOT) Agreements

- **Activities this month**

- Alignment-wide:
 - The HDOT Traffic Management Consultant contract (MM-925) was executed and the Notice to Proceed (NTP) issued in June.
- WOFH section:
 - The HDOT Design Coordination Consultant (MM-920), AECOM Technical Services, Inc., continues to review WOFH design submittals on HDOT's behalf.
 - The WOFH Joint Use and Occupancy (JUO) Agreement amendment has been executed and HART has assumed responsibility for maintenance of the corridor (Kiewit had been doing maintenance, such as tree-trimming and fixing potholes).
- KHG section:
 - The Master and JUO Agreements await resolution of comments from HDOT regarding the HART assignment issue. HART is scheduling a meeting with HDOT to have attorneys from both sides discuss assignment issue.
 - The HDOT Design Coordination Consultant–KHG Section contract (MM-921) was executed with AECOM Technical Services, Inc., with the NTP letter pending.
- Airport and City Center Guideway sections:
 - The HDOT Design Coordination Consultant–Airport Guideway Section contract (MM-922) has been executed and the NTP issued to SSFM. This contract also allows HART to expand the scope to include the City Center section, currently planned to be covered by the separate HDOT Design Coordination Consultant–City Center Guideway Section contract (MM-923) to be executed also with SSFM.

- **Look Ahead**

- Alignment-wide:
 - Traffic Management Consultant contract execution.
- KHG:
 - Design Consultant contract execution.
 - KHG Master and JUO Agreements execution.

3.8 Other Design Activities

- **Activities this month**

- Continued supporting WOFH, FHSG, KHG and MSF contracts on submittal reviews and responses to Requests for Information (RFIs) and Requests for Change (RFCs).
- Reviewed the Airport Guideway Preliminary Engineering Update submittal.
- HART Interchange Access Modification Requests (IAMRs) to the State of Hawaii Department of Transportation (HDOT) for State highway access to/from planned rail stations and facilities:
 - Started the IAMR for MSF emergency access.
 - Revising the H-1/H-2 IAMR per HDOT comments.
- Revising Design-Build (DB) contract Special Provisions and Division 1 Standard Specifications.
- Completed the Pearl Highlands Stations area traffic study.
- Revised the Waipahu Depot Road intersection analysis per HDOT comments.
- Finalized Elevator and Escalator (EE) Installation and Maintenance contract (MI-930) specifications.
- Reviewed site-specific Traffic Control Plans for the WOFH section.
- Standardizing design elements (e.g., fare gates, pedestrian bridge) to apply to all station contracts.
- Evaluating the West Loch Station configuration to accommodate bus route revisions.
- Evaluating proposed relocation of the Middle Street Transit Center Station.

- **Look Ahead**

- Continue supporting WOFH, FHSG, KHG, and MSF contracts on submittal reviews and RFI-RFC responses.
- Finish reviewing the Airport Guideway Preliminary Engineering drawings submittal.
- Finalize the IAMR for emergency access at MSF and H-1/H-2 for submittal to HDOT.
- Continue revising Division 1 Standard Specifications.
- Finalize Elevator/Escalator contract specifications.
- Continue reviewing site-specific Traffic Control Plans for the WOFH section.
- Continue standardizing station design elements.
- Finalize evaluation of the Middle Street Transit Center Station relocation.

3.9 Interface

- **Activities this month**

- Interfacing with adjoining contractors until contract award on the West Oahu, Kamehameha Highway and Airport Station Groups (WOSG, KHSG, ASG) and Elevator/Escalator (EE) contracts.
- While the WOSG contract has been awarded, interface transition will not occur until after the Design Workshop.
- Continued to monitor contractor Requests for Interface Data (RFIDs) and Interface Control Documents (ICDs) as they pertain to Final Design Baselines (Revision 0).
- Continued to address ICDs elevated from the contractor-to-contractor level to HART for resolution, including initiating a standing weekly meeting on elevated ICDs.
- A total of 424 RFIDs have been logged (244 open, 132 closed).
- HART facilitated 23 Interface Design Meetings (IDMs) this month.

- **Look Ahead**

- Finalize a HART RFID-ICD Assessment procedure.
- Continue monitoring contractor RFIDs and ICDs pertaining to Final Design Baseline (Revision 0).
- Continue to interface with adjoining contractors on WOSG, KSGH, ASG and EE contracts.
- Core Systems Definitive Design is planned for August.
- HART Core Systems will review and sign ICDs, commencing in September 2012.

4. GROUP REPORTS

4.1 Safety and Security

- **Activities this month**

- As detailed in Figure below, the H RTP had two construction safety and security issues in June.

Figure 24. Construction Safety Monitoring - Safety and Security Issues

Period/Date	Contract	Event Type	Comments
2011	----	----	1-Occupational Injury/Illness.
January 2012			1-Occupational Injury/Illness. 1-Environmental.
February 2012			1-Occupational Injury/Illness. 1-Environmental.
March 27, 2012	KHG/DB-320	Security	1-Security.
April 2, 2012	KHG/DB-320	Security	1-Security.
April 16, 2012	WOFH-KHG/AIS	Road/Vehicle	1-Road/Vehicle.
April 19, 2012	WOFH-KHG/AIS	First Aid	1-Occupational Injury/Illness.
April 20, 2012	WOFH-KHG/AIS	Loss/Damage	1-Loss Damage.
April 30, 2012	WOFH/DB-120	First Aid	1-Occupational Injury/Illness.
May 1, 2012	KHG/DB-320	Graffiti	Aloha Stadium Yard.
May 6, 2012	WOFH/DB-120	Road/Vehicle	1-Road/Vehicle.
May 21, 2012	WOFH/DB-120	Vandalism	Farrington Highway.
May 21, 2012	WOFH/DB-120	Theft	Cloverleaf Yard.
June 14, 2012	KHG/DB-320	First aid	Cutter equipment yard.
June 12, 2012	WOFH/DB-120	Fractured knee cap	KIWC KEIN water tank.

- The HART-GEC Safety and Security team held several meetings with the Honolulu Police Department (HPD) to discuss:
 - Training for the new HPD Liaison-Major, two Captains and one Lieutenant.
 - Updating the Threat and Vulnerability Assessment (TVA).
 - Construction security.
 - The respective areas of jurisdiction of the HPD, Sheriff and Transportation Security Administration-Airport (TSA-Airport) and -Surface (TSA-Surface).
 - Drills.
- Met with the GEC, TSA-Airport, TSA-Federal and airline representatives to conduct the Airport TVA.
- Conducted ongoing construction work site safety meetings.
- Met with the Construction Safety Manager to review incidents, incident data and proactive plans.
- Reviewed safety requirements at construction sites.

- Initiated a regular Core Systems Safety meeting with Ansaldo Honolulu Joint Venture (AHJV).
- **Look Ahead**
 - Submit a Sensitive Security Information Program.
 - Hold various safety meetings with contractors, committees and staff.
 - Hold various safety meetings with AHJV.
 - Host Transportation Safety Institute (TSI) Security class in August.
 - Update the TVA.
 - Discuss security concerns with TSA, HPD and the Honolulu Fire Department (HFD).
 - Discuss Emergency Plans with Emergency responders, Emergency Management.
 - Review and update all HART Safety manuals.
 - Meet with local Disaster Emergency Departments to plan HART involvement.

4.2 Quality Management

- **Activities this month**

- Conducted weekly meeting with GEC Quality Assurance (QA) staff to discuss overall Project Quality Assurance (QA)/Quality Control (QC) issues with consultants, sub-consultants, contractors, sub-contractors and internal staff.
- Continued training HART employees to ensure that project participants are familiar with the latest approved plans and procedures, updating the Training Matrix accordingly.
- Two new QA Engineers will start work on July 2.
- Updating and implementing the QA Audit Schedule for 2012.
- Performed QA Systems Audit:
 - Ansaldo Breda, Inc., Pittsburg, CA on June 20-21 and
 - Ansaldo STS, Pittsburgh, PA on June 27-28.
- GEC II:
 - GEC continued to train new GEC staff on the approved Quality Assurance Plan (QAP) and Implementation Plan (IP).
 - Performed internal QA Surveillance of HART GEC Construction Safety on June 20.
 - Reviewed updated ITPs for the WOFH, KHG and MSF contracts.
 - Provided QA support to Lea+Elliott on Task 11 for CSC.
 - To date, 1 NCR (closed).
- WOFH:
 - Bi-weekly QA Task Force meetings were held with the KIWC QA Team to discuss the status of design activities, field work, NCRs and quality compliance and improvement.
 - To date, 49 NCRs have been issued:
 - 41 by KIWC (5 open) and
 - 8 by HART/GEC (all closed).
- MSF:
 - Bi-weekly QA Task Force meetings were held with the KKJV QA Team to discuss the status of submittals, design activities and field activities.
- KHG:
 - Bi-weekly Quality Task Force meetings were held with the KIWC QA Team to discuss the status of design activities, field work, NCRs and quality compliance and improvement.
 - To date, 4 NCRs have been issued (all closed).
- CSC:
 - Met with the AHJV Quality Assurance Manager (QAM) to discuss and establish a Bi-weekly Quality Task Force Meeting.
 - Performed QA Systems Audit of Ansaldo Breda, Inc. (CA) and Ansaldo STS (PA).

- FHSG:
 - Continue to participate in weekly HART-GEC-HDR Design Coordination Meetings.
 - To date, 4 NCRs have been issued (all closed).
- Airport Guideway:
 - Bi-weekly QA Task Force meetings were held with the AECOM QA Team to discuss the status of submittals, design activities and field activities.
- **Look Ahead**
 - Continue mentoring and training personnel on approved Project Plans and procedures.
 - Continue QA/QC and Environmental Compliance oversight of the WOFH, KHG, MSF, FHSG, AUG and Core Systems contracts.
 - Perform scheduled QA Audits and Surveillances (Process Audits), as follow:
 - AUG AECOM, Raleigh, NC on August 1-2
 - MSF: HNTB, Kansas City, KS on August 7-9
 - Follow-up/Close corrective and preventative actions on all NCRs and Observations issued.
 - Review Contractor/Consultant QAP updates.

4.3 Right-of-Way Status and Third Party Agreements

- **Activities this month**

- Acquisitions:

- Offers were accepted for TMK 9-4-019-050, a full take for the Waipahu Station in the WOFH section, and TMK 1-009-001, a full take for the Kalihi Station in the City Center section.
- The two drainage easements, TMK 9-6-001-001 and 9-6-003-001, for the Maintenance and Storage Facility (MSF) were secured from the Navy.

- Relocations:

- Furniture, Fixtures and Equipment appraisals are ongoing for business relocations in the Kamehameha Highway and Airport sections.
- 90-day notice was issued to the 3 businesses located at TMK 9-8-010-002, which is required for the Pearl Ridge Station in the Kamehameha Highway section.
- Relocation is complete for the church and residence (TMK 9-6-003-012) within the Banana Patch and the property was turned over to the contractor.
- The two remaining residential relocations in the WOFH section are anticipated to be completed by the end of July.

Figure 25. Right-of-Way Status Summary Table

Section	Original # Parcels in FEIS	Current # Parcels Needed	Agreements In Process	Appraisals in Process	Offers	Acceptance	Relocation Complete	Ready for Construction
FULL ACQUISITION								
Total	40	38	0	5	4	7	21	12
WOFH	14	14	0	0	1	3	17	10
KHG	5	3	0	0	1	1	1	1
Airport	5	5	0	4	0	0	0	0
City Center	16	16	0	1	2	3	3	1
PARTIAL ACQUISITION								
Total	163	133	8	0	6	0	0	7
WOFH	18	10	2	0	1	0	0	6
KHG	21	7	4	0	3	0	0	0
Airport	31	34	2	0	0	0	0	1
City Center	93	82	0	0	2	0	0	0
EASEMENTS								
Total	12	13	4	0	0	0	0	3
WOFH	6	6	3	0	0	0	0	3
KHG	0	1	1	0	0	0	0	0
Airport	1	1	0	0	0	0	0	0
City Center	5	5	0	0	0	0	0	0
GRAND TOTAL	215	184	12	5	10	7	21	22

FEIS = Final Environmental Impact Statement

Figure 26. H RTP Acquisition-Relocation Agreements Status

Agreement	Section(s)	Required/Completed	Current Status
University of Hawaii (UH) Master Agreement	WOFH, KHG, City Center	June 2012	Tentative agreement is in place on the path forward to secure access to the property.
Leeward Community College (LCC) Sub-Agreement	WOFH	June 2012	Property appraisal underway.
UH West Oahu (UHWO)	WOFH	November 2012	Property appraisal underway.
Department of Education (DOE) Consent to Construct and Master Agreement	WOFH	February 8, 2011	Executed.
DR Horton Agreement	WOFH	March 7, 2012	Executed.
DHHL Master Agreement	WOFH, MSF	March 10, 2010	Executed.
DHHL Consent to Construct	WOFH, MSF	December 1, 2011	Consent to Construct is in place pending license and/or property transfer is completed.
DHHL License or Property Transfer	WOFH, MSF	December 2012	The City and DHHL are finalizing licenses and discussions continue with the City on transfer of the property.
HDOT Master Agreement for WOFH	WOFH	October 31, 2011	Executed.
HDOT WOFH Use and Occupancy Agreement	WOFH	April 5, 2012	Executed.
UH Urban Garden Sub-agreement	KHG	July 2012	Property appraisal underway.
HDOT Master Agreement for KHG	KHG	July 2012	Comments received from HDOT; issues being addressed
HDOT KHG Use and Occupancy Agreement	KHG	August 2012	Will be completed after KHG Master Agreement is signed
Aloha Stadium/ Department of Accounting and General Services (DAGS)	KHG	August 2012	Meeting to finalize agreement scheduled for July.
Post Office Administration	Airport	November 2013	Initiated request to secure an easement for Post Office property.
HDOT Master Agreement for Airport	Airport	April 2013	Awaiting completion of the Kamehameha Highway Memorandum of Understanding (MOU) with HDOT.
FAA Master Agreement	Airport	July 2013	As design progresses, a determination will be made on whether or not an agreement is required.
HDOT Use and Occupancy for Airport	Airport	October 2013	Will be completed after Master Agreement is in place.
HDOT Master Agreement for City Center	City Center	December 2013	Pending.
HDOT Use and Occupancy for City Center	City Center	July 2014	Will be completed after Master Agreement is in place.
Honolulu Community College (HCC) Sub-agreement	City Center	May 2014	Property appraisal underway.
Federal Court House/ General Services Administration (GSA)	City Center	October 2014	HART is reviewing the GSA draft agreement.
Hawaii Community Development Authority (HCDA) Agreement	City Center	October 2014	Awaiting final design requirements for the guideway.
DAGS	City Center	October 2014	Awaiting final design requirements for the guideway.

- **Look Ahead**

- West Oahu/Farrington Highway (WOFH) Section:
 - Complete relocation of the remaining two households in the Banana Patch.
 - Complete appraisals for the UHWO and LCC.
 - Issue 90-day notice to business located of TMK 9-4-019-050 for the Waipahu Station.
- Kamehameha Highway (KHG) Section:
 - Continue negotiations for partial takes associated with TMK 9-7-022-008, 9-7-023-008 and 9-7-022-021 at Pearl City/Kamehameha Highway.
 - Continue negotiations on TMK 9-8-009-017 at Waimalu/Aiea.
 - Complete appraisal of TMK 9-7-023-003 for the UH Urban Gardens at Pearl City.
 - Relocate 3 displaced businesses from TMK 9-8-010:002 at the Pearlridge station area by September.
- Airport Section:
 - Continue to secure consent to enter for Archaeological Inventory Survey (AIS).
- City Center Section:
 - Continue to secure consent to enter for AIS.
 - Continue negotiations for TMK 1-5-007-021, 1-2-009-001 and TMK 1-2-010-068 at Kalihi/Dillingham Blvd and partial takes associated with TMK 1-7-002-026 at Chinatown/Nimitz Highway and TMK 1-2-009-017 at Kalihi/Dillingham Blvd.
 - Complete appraisal for HCC.

4.4 Planning and Environment

- **Activities This month**

- Programmatic Agreement (PA) [reported by PA Stipulation number]
 - II. Traditional Cultural Properties (TCP)
 - Consultation for the remainder of the WOFH section and for the KHG and Airport sections is in progress.
 - FTA submitted an eligibility and effects determination report on the WOFH, KHG and Airport sections to the State Historic Preservation Division (SHPD) on June 6.
 - SHPD concurrence and/or comments are due by July 6 (30-day review period), with concurrent Consulting Parties review.
 - III. Identification and Protection of Archaeological Sites and Burials: Archaeological Inventory Surveys (AIS) through June 26
 - Phase 3 (Airport) AIS: 5 of 40 trenches have been completed.
 - Phase 4 (City Center) AIS: 59 of 232 trenches have been completed.
 - V. Recordation and Documentation: Historic American Buildings Survey/Historic American Engineering Record/Historic American Landscape Survey (HABS/HAER/HALS) required photo recordation of adversely affected historic properties in the WOFH section has been completed with submission to the National Park Service (NPS) for 30-day review of the recordation of the:
 - Honouliuli Stream bridge on June 1 and
 - Waikele and Waiawa Stream bridges on June 18.
 - XI. Historic and Cultural Awareness Training: WOFH, KHG and MSF contractors and HART-GEC staff were trained on June 8.
- Mitigation Monitoring Program (MMP)
 - Monthly and quarterly reporting on MMP Mitigation Measures IDs (MMIDs) continues. A Quarterly Report (February, March, April) was submitted to FTA, as required. No notable incidents were identified.
 - The Outdoor Circle (TOC): An agreement on meeting protocol has been reached and meetings are expected to resume in July.
 - The Ko'olua'ula (*Abutilon menziesii*) flowering shrub (an endangered species endemic to Hawaii): The Memorandum of Agreement (MOA) between HART, HDOT and DLNR for HART's Certificate of Inclusion for the HDOT Abutilon Incidental Take License is awaiting HDOT signature. To date, no Ko'olua'ula have been identified in the project footprint.
- Planning Activities
 - A Special Use Permit (SUP) for the Ho'opili Laydown Yard is no longer required, since the State Land Use Commission approved the order to reclassify the land use to urban.
 - Environmental review documentation was drafted with no impacts identified for 3 construction laydown yards (Pearlridge, Sears and UH Gardens) in the KHG section. This documentation was submitted to the FTA on June 13.

- HART and DPP continue to conduct monthly meetings to discuss Transit-Oriented-Development (TOD) around the future transit stations.
- Monthly HART Sustainability Committee Meetings continue as the team identifies ways to improve the support of “green” features project-wide.
- **Look Ahead**
 - TCP consultation completion in the WOFH, KHG and Airport sections in early July.
 - TCP study in the City Center section to start this summer and extend into early 2013.
 - Photo recordation of historic properties:
 - Completion of NPS review of WOFH section in July or August.
 - Submittal to NPS for review of KHG section in July.
 - The next Semi-Annual Meeting with PA Consulting Parties will be on July 27.
 - The next Historic Preservation Committee (HPC) Meeting will be on July 27.

4.5 Risk Management

- **Activities this month**

- The Draft Risk and Contingency Management Plan (RCMP) submittal was issued to the FTA/PMOC on June 29, 2012, in support of the FFGA .
- The 6th meeting of the Risk Assessment Committee (RAC) was conducted on June 7.
- The risk matrix in Figure 27 on the next page is used to score and rank identified risks. Risks have been assessed on probability of occurrence and most likely cost and schedule impact, if occur. The rating is the average cost and schedule impact score multiplied by the likelihood score.
- The top 10 risks in May are set out in Figure 28 on the next page.
- The top 10 risks changed from the top 10 in April, due to the
 - increased ratings for:
 - Risk 39: Project-wide, contractors may not achieve contract-required delivery dates of design information and construction interfaces and
 - Risk 14b: KHG HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the State right-of-way (ROW), and
 - removal of Risks 36 and 89. (See Figure 29 on the next page.)
- 7 new risks were added in May, as shown in Figure , including:
 - Risk 159: The KHG Request for Proposal (RFP) and traffic studies showed 1 left turn lane needed at Kanuku Street, but HDOT studies have shown that the 2 current lanes may be needed, requiring guideway redesign and additional road widening.
 - Risk 158: Review of potential Traditional Cultural Properties (TCP) continues to identify any area of cultural significance. A total of 2 sites have been identified along the WOFH, KHG and Airport sections, but, to date, no *iwi kupuna* have been identified and the sites are expected to be cleared for work by mid-June.
- 8 risks were deleted from the Risk Register in May, as shown in Figure .
- Risk level changes to the Project Risk Register from April to May are summarized as follow and illustrated in Figure :
 - High Risks: 3 additional
 - Medium Risks: 4 additional
 - Low Risks: 8 fewer
- Overall, in May, the total number of risks decreased by 1 from 342 to 341 risks; 7 risks were added and 8 risks were deleted, as shown in the summary of risks by Contract Package set out in Figure .

- **Look Ahead**

- Monthly contract-/discipline-specific risk workshops.
- Update Risk Mitigation Plans with top risks.

Figure 27. Risk Matrix

Legend	Low (1)	Med (2)	High (3)	Very High (4)	Significant (5)
Probability	< 10%	10%<50%	> 50%	75%	>90%
Cost	< \$250K	\$250K<\$1M	\$1M<\$3M	\$3M<\$10M	>\$10M
Schedule	< 1 Mths	1 < 3 Mths	3 < 6 Mths	6 < 12 Mths	> 12 Mths
Rating	<=3	3.1-9.49	>=9.5		

Figure 28. Top Ten Project Risks in May 2012

Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April Risk Rating
60e	10.04	City Center Guideway	Given limited geotechnical information available at this time, additional costs may be incurred associated with final design through construction.	90%	5	5	3	20	20
157	90.00	Project wide	Delay to issue LONP2a results in additional cost and schedule impacts with the casting yard.	100%	5	4	2	15	15
39	90.00	Project wide	Contractors may not achieve contract required delivery dates of design information and construction interfaces to others.	75%	4	5	2	14	7
14b	40.02	KHG	HDOT Use and Occupancy Agreement with utility owners could delay utility relocations in the state ROW.	75%	4	4	3	14	10
116	40.02	City Center Guideway	Assumption is water mains will be relocated around columns by addition of bends, which may not be allowed by BWS.	90%	5	3	2	12.5	12.5
36	80.06	Project Wide	Unanticipated litigation may add cost to the Project (e.g., protests from adversary groups, community groups, adjacent landowners, and other affected parties).	90%	5	5	0	12.5	12.5
58	90.00	Project Wide	City may require changes to baseline documents resulting in formal change orders.	90%	5	4	1	12.5	12.5
59d	40.08	City Center Guideway	Traffic disruptions in City Center segment may result in revised constraints imposed by City or HDOT (lane restrictions and peak time flow restrictions).	75%	4	4	3	12	12
44	90.00	Project Wide	Lack of bidders could increase costs.	50%	3	5	3	12	12
56	40.02	Project Wide	BWS and/or HDOT may not grant waiver to leave in place existing utilities to be abandoned that are not impacted by new structures requiring partial or total removal.	75%	4	5	1	12	12

Figure 29. Risks Removed from the Top 10 Risk in May 2012

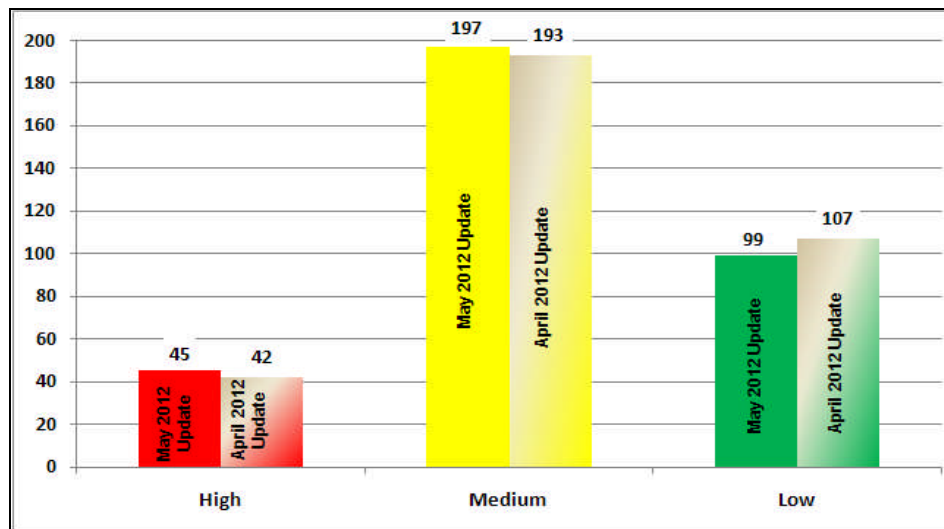
Risk ID	SCC Code	Contract Package	Risk Description	Prob	Prob Rating	Cost Impact	Time Impact	May Risk Rating	April Risk Rating
63	40.02	Project Wide	Costs for utility relocations may increase if utility plans have deviations greater than contract stipulation.	75%	4	4	2	12	12
89	20.02	Right of Way	Property issues associated with Aloha Stadium Authority could result in additional costs due to reduced property area available to contractors.	75%	4	4	2	10	12

Figure 30. New Risks for May 2012

Risk ID	SCC Code	Contract Package	Risk Description	Cal Prob	Prob Rating	Cost Impact	Time Impact	Risk Rating
159	60.01	KHG	Double left turn at Kanuku St. (near Best Buy) may be required by HDOT.	75%	4	4	2	12
158	40.04	Project Wide	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158a	40.04	WOFH	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158b	40.04	KHG	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158c	40.04	Airport	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158d	40.04	City Center	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5
158e	40.04	MSF	Review of potential Traditional Cultural Properties (TCP) could result in construction delay and design modifications.	25%	2	3	2	5

Figure 31. Risks Deleted in May 2012

Current Risk ID	SCC Code	Contract Package	Risk Description	February 2012 Comments	May '12 Risk Rating	Feb. '12 Risk Rating
152	60.01	KHG	ROW not acquired by other as shown in RFP drawings at Acacia Rd results in delays.	Risk has been deleted. ROW is no longer required because HDOT has agreed that they do not need the RTL.		7.5
128	60.01	ROW	Property required at UH currently assumes donation. However, there is a possibility that UH may require property to be bought.	Risk has been deleted. It is a duplicate of risk #127.		3
47	90.00	Project Wide	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47a	90.00	WOFH	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47b	90.00	MSF	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47c	90.00	KHG	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
47d	90.00	CSC	Delays due to integration of new government entities.	Risk has been deleted since it has been almost a year since HART was formed and no issues have resulted.		3
PMOC19	50.05	CSC	Managing technology advances in sub-system components throughout the eight-year construction and 10-year O&M program will be difficult.	This risk has been deleted since it is an O&M comment and is not deemed a risk for the construction of the Project.		2

Figure 32. Changes to Project Risk Register from April to May 2012**Figure 33. Summary of Risks by Contract Package**

Contract Packages	April 2012 # of Risks		May 2012 Update				
			Total # of Risks		Newly Sub-Divided Risks*	New Risks	Deleted Risks
Project Wide	70	17*	70	17*	0	1	1
WOFH	50		50		1	0	1
MSF	23		23		1	0	1
KHG	40		40		1	1	2
Core Systems Contract	25		23		0	0	2
Right of Way	12		11		0	0	1
Airport Guideway	50		51		1	0	0
City Center Guideway	55		56		1	0	0
Project Wide Stations	4		4		0	0	0
Farrington Highway Stations	2		2		0	0	0
West Oahu Stations	4		4		0	0	0
Kamehameha Highway Stations	3		3		0	0	0
Airport Section Stations	1		1		0	0	0
City Center Section Stations	3		3		0	0	0
Total	342	289	341	288*	5	2	8

4.6 Insurance

- **Activities this month**

- HART is working with the Owner-Controlled Insurance Program (OCIP) Consultant, Marsh USA, Inc., to identify and evaluate the insurable risks for the project and the agency. This effort is on schedule, with the final OCIP Plan from Marsh due October 1.

- **Look Ahead**

- The final OCIP Plan from Marsh is expected on October 1.

4.7 Community Outreach

- **Activities this month**

- HART announced that it has submitted its Full Funding Grant Agreement request for \$1.55 billion in federal New Starts funding. The milestone was covered by all local television network affiliates, the state's daily newspaper and business and trade publications. HART's news release on this project milestone included comments from CEO Dan Grabauskas, U.S. Senator Daniel Inouye, HART Board members, Honolulu Mayor Peter Carlisle and Honolulu City Council Chairman Ernie Martin.
- The first concrete column was completed in West Oahu this month, marking the start of guideway construction. Several columns are expected to be completed in the coming weeks. Honolulu Mayor Peter Carlisle and City Council Transportation Committee Chairman Breene Harimoto joined the HART CEO for an on-site visit.

Figure 34. The first column for Honolulu's elevated rail guideway is completed.



- To date, staff has participated in:
 - 1,225 presentations and events and
 - 679 neighborhood boards.

- Archaeological Inventory Survey (AIS) work in the Airport and City Center areas is continuing with the public involvement team providing community outreach and informational on the survey work to the surrounding communities.
- Construction outreach continued with business and community meetings along the West Oahu/Farrington Highway and Kamehameha Highway sections.
- **Look Ahead**
 - Continuing community outreach by the HART CEO, meeting with businesses and residents along the rail line.
 - Construction outreach for the Kamehameha Highway Guideway (KHG) section area.

5. STAFFING

- Activities this month

Figure 35. Staffing Activities

Title	Group	New/Existing HART position*	Status	Start
Executive Administration				
Chief Financial Officer		New	Filled	June
Engineering and Construction				
Engineer IV	Utility	New	Filled	June
Planner V	Permits & Hazmat	New	Offer made	July
Engineer VI	City Center	New	Interviewing	
Planner V	Mitigation	New	Offer made	July
Architect/CE IV or V	Airport/City Center	Existing	Offer made	August
Secretary I	Core Systems	Existing	Offer made	August
Architectural Historian	Planning	New	Recruiting	
Traffic Engineer II	Facilities	Existing	PMSC	
Electrical Engineer III/IV**	Core Systems	New	Recruiting	
Administration and Controls				
Quality Assurance Engineer	Mechanical	New	Offer made	July
Quality Assurance Engineer	Electrical	New	Offer made	July
Assistant Project Officer	Administration and Controls	New	Recruiting	
Contract Change Specialist Supervisor	Configuration Management	New	Interviewing	
Human Resources Specialist I/II** (2 positions)	Equal Employment Opportunity (EEO) and Disadvantaged Business Enterprises (DBE)	New	Interviewing	
GIS Analyst III	Right-of-Way	New	Recruiting	
Manager	Document Control	New	Recruiting	
Procurement and Specifications Specialist IV	Procurement and Contracts	Existing	Recruiting	
Scheduler	Project Controls	Existing	Recruiting	
Executive Secretary	CEO	New	Filled	June
Secretary I	Project Controls	New	Offer made	July
Labor Relations				
Manager	Project Labor Agreement	New	Recruiting	

*All HART positions unless otherwise identified as PMSC (InfraConsult LLC).

**Per qualifications.

- **Look Ahead**

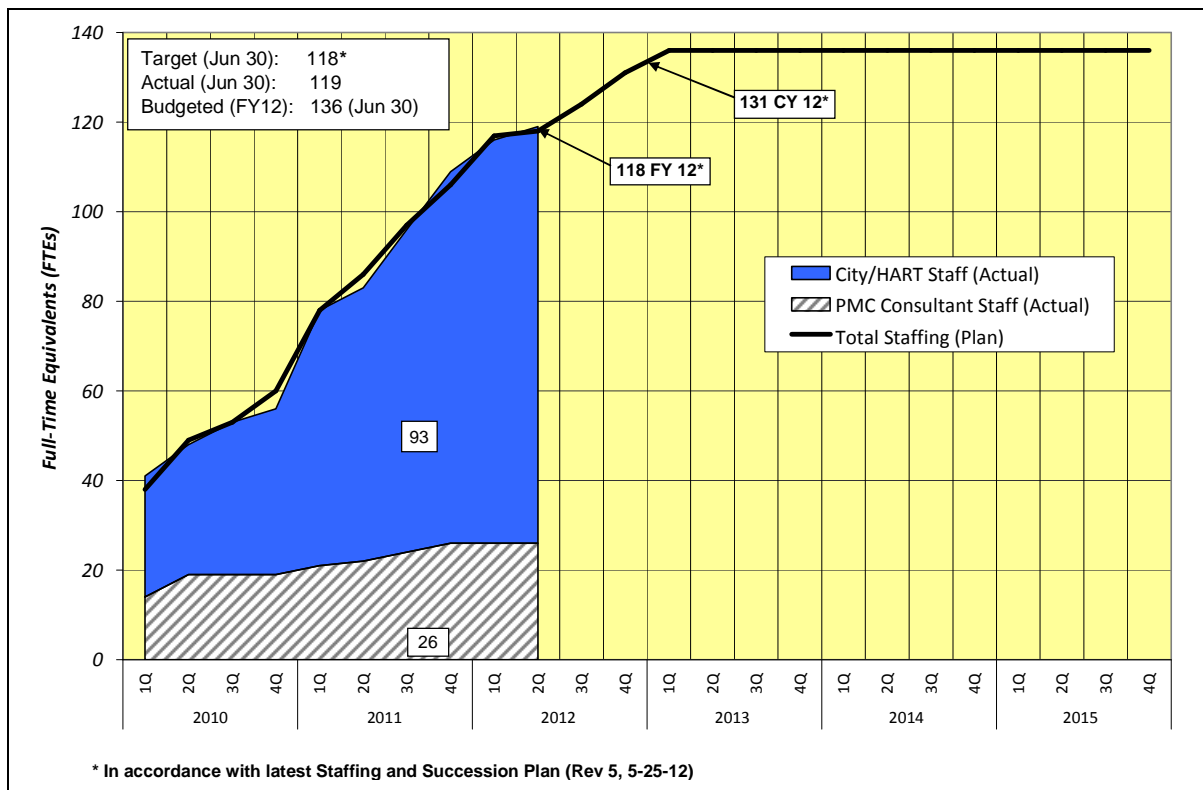
- HART staffing projections (actual versus planned), as defined in the current Staffing Plan, are shown in Figure 36 and Figure 37.

Figure 36. HART Staffing Projection in the current Staffing Plan

<i>[Also see the Staffing Chart in Figure below]</i>	as of:	# Employees
Target*	June 30	118
Actual*	June 27	119
Full-Time Employees budgeted for FY12**	June 30	136

**Including PMSC staff; **Excluding PMSC staff.*

- HART currently receives direct project support in centralized functions from:
 - the following City departments:
 - Honolulu Police Department (HPD)
 - Department of Information Technology (DIT)
 - Department of Budget and Fiscal Services (BFS)
 - Department of Design and Construction (DDC)
 - Corporation Counsel (COR) and
 - Department of Human Resources (DHR) and
 - the State of Hawaii Department of Transportation (HDOT) on Consultant Services Contracts.
- For greater organizational structure detail, see the HART Project Organization Chart in Appendix A at the end of this report.

Figure 37. Project Management Staffing (Actual and Planned)

6. APPENDICES

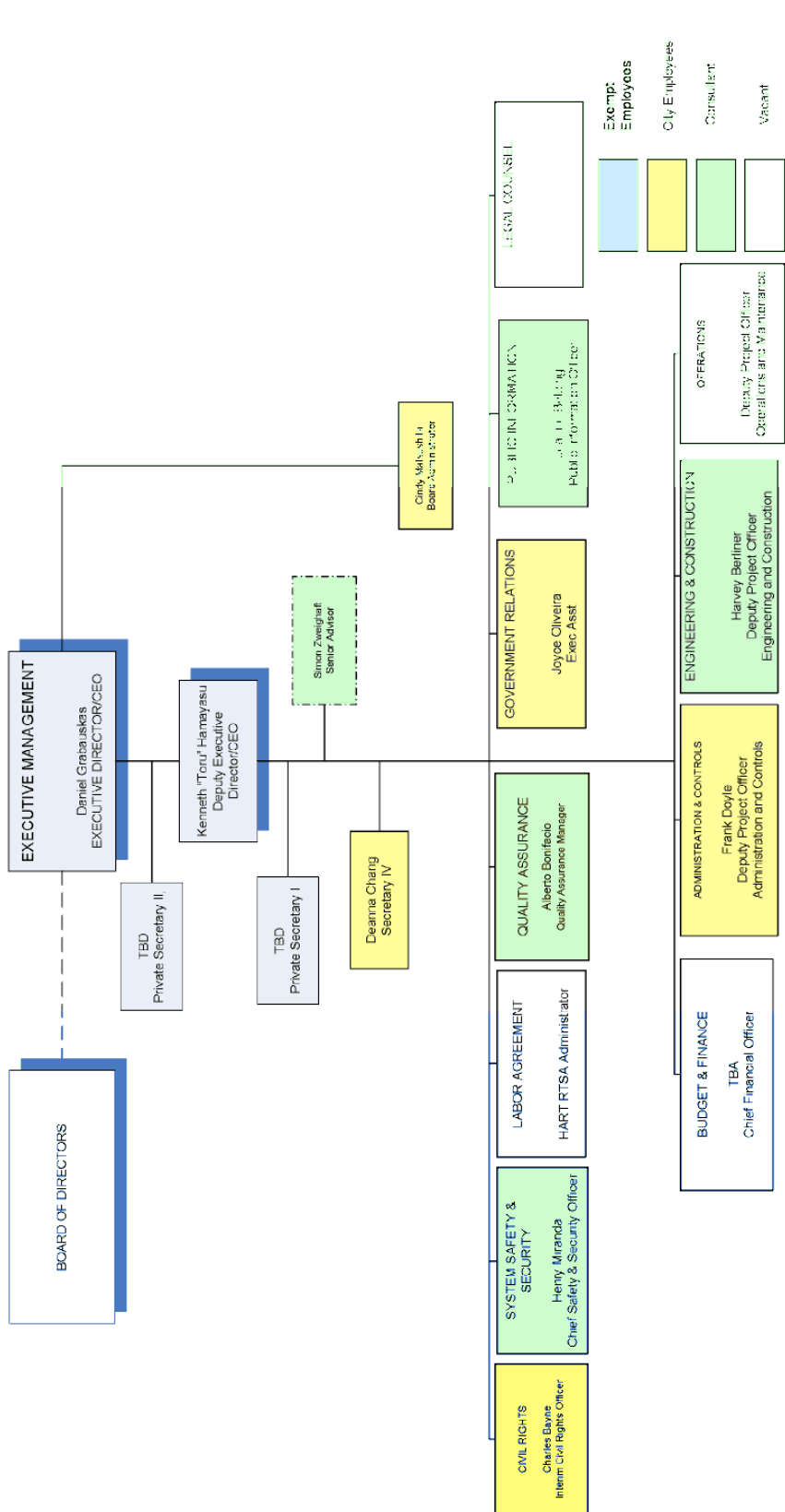
- **Appendix A - Project Organization Chart**
- **Appendix B - Project Alignment**

Appendix A. Project Organization Chart

5/25/2012

Honolulu Authority for Rapid Transportation

Appendix A



15

Appendix B. Project Alignment

